

## 2007年

### [著書]

田辺信介 (2007): 2.4.1a 化学物質の環境動態, 実験化学講座 20-2 「環境化学」, 第5版, 日本化学会編, 丸善, 153-161.

高橋 真・田辺信介 (2007): 海生哺乳類の汚染と影響, 有機スズと環境科学—進展する研究の成果—, 山田 久編, 恒星社厚生閣, 252-275.

Tanabe, S., Takeoka, H., Isobe, T. and Nishibe, Y. (Eds) (2007): Chemical Pollution and Environmental Changes, Universal Academic Press, Tokyo, Japan, 458pp.

Subramanian, An. and Tanabe, S. (2007): Persistent toxic substances in India. Persistent Organic Pollutants in Asia: Sources, Distributions, Transport and Fate, Li, A., Tanabe, S., Jiang, G., Giesy, J. P. and Lam, P. K. S. (Eds), Elsevier, Amsterdam, The Netherlands, 433-485.

Kan-atireklap, S. and Tanabe, S. (2007): Persistent toxic substances in Thailand. Persistent Organic Pollutants in Asia: Sources, Distributions, Transport and Fate, Li, A., Tanabe, S., Jiang, G., Giesy, J. P. and Lam, P. K. S. (Eds), Elsevier, Amsterdam, The Netherlands, 487-514.

Minh, T. B., Minh, N. H., Iwata, H., Takahashi, S., Viet, P. H., Tuyen, B. C. and Tanabe, S. (2007): Persistent organic pollutants in Vietnam: levels, patterns, trends, and human health implications. Persistent Organic Pollutants in Asia: Sources, Distributions, Transport and Fate, Li, A., Tanabe, S., Jiang, G., Giesy, J. P. and Lam, P. K. S. (Eds), Elsevier, Amsterdam, The Netherlands, 515-555.

Prudente, M. S., Malarvannan, G. and Tanabe, S. (2007): Persistent toxic substances in the Philippine environment. Persistent Organic Pollutants in Asia: Sources, Distributions, Transport and Fate, Li, A., Tanabe, S., Jiang, G., Giesy, J. P. and Lam, P. K. S. (Eds), Elsevier, Amsterdam, The Netherlands, 559-585.

Sudaryanto, A., Takahashi, S. and Tanabe, S. (2007): Persistent toxic substances in the environment of Indonesia. Persistent Organic Pollutants in Asia: Sources, Distributions, Transport and Fate, Li, A., Tanabe, S., Jiang, G., Giesy, J. P. and Lam, P. K. S. (Eds), Elsevier, Amsterdam, The Netherlands, 587-627.

Tanabe, S. (2007): Contamination by persistent toxic substances in the Asia-Pacific region. *Persistent Organic Pollutants in Asia: Sources, Distributions, Transport and Fate*, Li, A., Tanabe, S., Jiang, G., Giesy, J. P. and Lam, P. K. S. (Eds), Elsevier, Amsterdam, The Netherlands, 773-817.

田辺信介 (2007): 地球規模で広がる化学物質の汚染。世界の海を調査し、生態系の危機を警告した COE (卓越した研究拠点), 愛媛大学「研究室からこんにちは!」愛媛大学最前線からのレポート, 愛媛大学監修, アトラス出版, 115-133.

Trang, P. T. K., Lan, V. T. M., Kubota, R., Agusa, T., Hue, N. T. M., Hao, Nhat, B. H., Dau, P. T., Phu, D. M., Berg, M., Viet, P. H. and Tanabe, S. (2007): Arsenic pollution in groundwater in Red River Delta, Vietnam: situation and human exposure. *Joint Research on Environmental Science and Technology for the Earth: Annual Report of FY 2006*, Ike, M. and Viet, P. H. (Eds.), Osaka University, Japan, 71-76.

Agusa, T., Inoue, S., Kunito, T., Minh, T.B., Tu, N. P. C., Ha, N. N., Trang, P. T. K., Subramanian, An., Iwata, H., Viet, P. H., Tuyen, B. C. and Tanabe, S. (2007): Overview of arsenic contamination in groundwater and human health risk in Vietnam. *Joint Research on Environmental Science and Technology for the Earth: Annual Report of FY 2006*, Ike, M. and Viet, P. H. (Eds.), Osaka University, Japan, 89-92.

Minh, T. B., Minh, N. H., Agusa, T., Iwata, H., Takahashi, S., Viet, P. H., Tuyen, B. C. and Tanabe, S. (2007): Pollution by persistent toxic substances in Vietnam: a review of two decade monitoring studies. *Joint Research on Environmental Science and Technology for the Earth: Annual Report of FY 2006*, Ike, M. and Viet, P. H. (Eds.), Osaka University, Japan, 93-102.

#### [総 説]

Tanabe, S. and Kunisue, T. (2007): Review: Persistent organic pollutants in human breast milk from Asian countries. *Environmental Pollution*, 146(2), 400-413.

久保田領志・藤原純子・阿草哲郎・國頭 恭・田辺信介 (2007): 海棲動物におけるヒ素の化学形態と蓄積特性, *環境科学会誌*, 20(2), 133-153.

#### [原著論文]

Kunisue, T., Takayanagi, N., Tsubota, T. and Tanabe, S. (2007): Persistent organochlorines in raccoon dogs (*Nyctereutes procyonoides*) from Japan: Hepatic sequestration of oxychlorodane. *Chemosphere*, 66(2), 203-211.

Asante, K., Agusa, T., Subramanian, An., Ansa-Asare, O. D., Biney, C. A. and Tanabe, S. (2007): Contamination status of arsenic and other trace elements in drinking water and residents from Tarkwa, a historic mining township in Ghana. *Chemosphere*, 66(8), 1513-1522.

Agusa, T., Kunito, T., Sudaryanto, A., Monirith, I., Kan-Atireklap, S., Iwata, H., Ismail, A., Sanguansin, J., Muchtar, M., Tana, T. S. and Tanabe, S. (2007): Exposure assessment for trace elements from consumption of marine fish in Southeast Asia. *Environmental Pollution*, 145(3), 766-777.

Tsydenova, O. V., Sudaryanto, A., Kajiwara, N., Kunisue, T., Batoev, V. B. and Tanabe, S. (2007): Organohalogen compounds in human breast milk from Republic of Buryatia, Russia. *Environmental Pollution*, 146(1), 225-232.

Nakata, H., Sasaki, H., Takemura, A., Yoshioka, M., Tanabe, S. and Kannan, K. (2007): Bioaccumulation, temporal trend, and geographical distribution of synthetic musks in the marine environment. *Environmental Science and Technology*, 41(7), 2216-2222.

Agusa, T., Kubota, R., Kunito, T., Minh, T. B., Trang, P. T. K., Chamnan, C., Iwata, H., Viet, P. H., Tana, T. S. and Tanabe, S. (2007): Arsenic pollution in groundwater of Vietnam and Cambodia: a review, *Biomedical Research on Trace Elements*, 18(1), 35-47.

Nam, D. H., Kim, E. Y., Iwata, H. and Tanabe, S. (2007): Molecular characterization of two metallothionein isoforms in avian species: Evolutionary history, tissue distribution profile, and expression associated with metal accumulation. *Comparative Biochemistry, Part C* 145(3), 295-305.

Lee, J. S., Kim, E. Y., Iwata, H. and Tanabe, S. (2007): Molecular characterization and tissue distribution of aryl hydrocarbon receptor nuclear transporter isoforms, ARNT1 and ARNT2, and identification of novel splice variants in common cormorant (*Phalacrocorax carbo*). *Comparative Biochemistry, Part C* 145(3), 379-393.

Agusa, T., Kunito, T., Iwata, H., Monirith, I., Chamnan, C., Tana, T. S., Subramanian, An. and Tanabe, S. (2007): Mercury in hair and blood from residents of Phnom Penh (Cambodia) and possible effect on serum hormone levels. *Chemosphere*, 68(3), 590-596.

Minh, N. H., Minh, T. B., Iwata, H., Kajiwara, N., Kunisue, T., Takahashi, S., Viet, P. H., Tuyen, B. C. and Tanabe, S. (2007): Persistent organic pollutants in sediments from Sai Gon-Dong Nai river basin, Vietnam: levels and temporal trends. *Archives of Environmental Contamination and Toxicology*, 52(4), 458-465.

Subramanian, An., Ohtake, M., Kunisue, T. and Tanabe, S. (2007): High levels of organochlorines in mothers' milk from Chennai (Madras) city, India. *Chemosphere*, 68(5), 928-936.

Nagayama, J., Kohno, H., Kunisue, T., Kataoka, K., Shimomura, H., Tanabe, S. and Konishi, S. (2007): Concentrations of organochlorines with congenital hypothyroidism. *Chemosphere*, 68(5), 972-976.

Minh, N. H., Minh, T. B., Kajiwara, N., Kunisue, T., Iwata, H., Viet, P. H., Tu, N. P. C., Tuyen, B. C. and Tanabe, S. (2007): Pollution sources and occurrences of selected persistent organic pollutants (POPs) in sediments of Mekong River delta, South Vietnam. *Chemosphere*, 67(9), 1794-1801.

Yamaguchi, S., Miura, C., Ito, A., Agusa, T., Iwata, H., Tanabe, S., Tuyen, B. C. and Miura, T. (2007): Effects of lead, molybdenum, rubidium, arsenic and organochlorines on spermatogenesis in fish: Monitoring at Mekong Delta area and in vitro experiment. *Aquatic Toxicology*, 83(1), 43-51.

Hirakawa, S., Iwata, H., Kim, E. Y., Sakamoto, T., Okajima, Y., Amano, M., Miyazaki, N., Petrov, E. A. and Tanabe, S. (2007): Molecular characterization of cytochrome P450 1A1, 1A2, and 1B1, and effects of polychlorinated dibenzo-p-dioxin, dibenzofuran, and biphenyl congeners on their hepatic expression in Baikal seal (*Pusa sibirica*). *Toxicological Sciences*, 97(2), 318-335.

Lam, J. C. W., Kajiwara, N., Ramu, K., Tanabe, S. and Lam, P. K. S. (2007): Assessment of polybrominated diphenyl ethers in eggs of waterbirds from South China. *Environmental Pollution*, 148(1), 258-267.

Minh, N. H., Isobe, T., Ueno, D., Matsumoto, K., Mine, M., Kajiwara, N., Takahashi, S. and Tanabe, S. (2007): Spatial distribution and vertical profile of polybrominated diphenyl ethers and hexabromocyclododecanes in sediment core from Tokyo Bay, Japan. *Environmental Pollution*, 148(2), 409-417.

Ramu, K., Kajiwara, N., Isobe, T., Takahashi, S., Kim, E. Y., Min, B. Y., We, S. U. and Tanabe, S. (2007): Spatial distribution and accumulation of brominated flame retardants, polychlorinated biphenyls and organochlorine pesticides in blue mussels (*Mytilus edulis*) from coastal waters of Korea. *Environmental Pollution*, 148(2), 562-569.

Yang, J., Kunito, T., Tanabe, S. and Miyazaki, N. (2007): Mercury and its relation with selenium in the liver of Dall's porpoises (*Phocoenoides dalli*) off the Sanriku coast of Japan. *Environmental Pollution* 148(2), 669-673.

Suehiro, F., Mochizuki, H., Nakamura, S., Iwata, H., Kobayashi, T., Tanabe, S., Fujimori, Y., Nishimura, F., Tuyen, B. C., Tana, T. S. and Suzuki, S. (2007): Occurrence of butyltin (TBT)-resistant bacteria is not related to TBT pollution in Mekong River and coastal sediment: With a hypothesis of selective pressure from suspended solid. *Chemosphere*, 68(8), 1459-1464.

Niimi, S., Kim, E. Y., Iwata, H., Watanabe, M. X., Yasunaga, G., Fujise, Y. and Tanabe, S. (2007): Identification and hepatic expression profiles of cytochrome P450 1-4 isozymes in common minke whales (*Balaenoptera acutrostrata*). *Comparative Biochemistry and Physiology, Part B*, 147(4), 667-681.

Sudaryanto, A., Monirith, I., Kajiwara, N., Takahashi, S., Hartono, P., Omori, K., Takeoka, H. and Tanabe, S. (2007): Levels and distribution of organochlorines in fish from Indonesia. *Environmental International*, 33(6), 750-758.

Kunisue, T., Sakiyama, T., Yamada, T. K., Takahashi, S. and Tanabe, S. (2007): Occurrence of hydroxylated polychlorinated biphenyls in the brain of cetaceans stranded along the Japanese coast. *Marine Pollution Bulletin*, 54(7), 963-973.

Falandysz, J., Kunito, T., Kubota, R., Brzostowski, A., Justyna, M. A., Falandysz, J. J.

and Tanabe, S. (2007): Selected elements of poison pax *Paxillus involutus*. *Journal of Environmental Science and Health, Part A*, 42(8), 1161-1168.

Ramu, K., Kajiwara, N., Sudaryanto, A., Isobe, T., Takahashi, S., Subramanian, An., Ueno, D., Zheng, G. J., Lam, P. K. S., Takada, H., Zakaria, M. P., Viet, P. H., Prudente, M., Tana, T. S. and Tanabe, S. (2007): Asian mussel watch program: contamination status of polybrominated diphenyl ethers and organochlorines in coastal waters of Asian countries. *Environmental Science and Technology*, 41(13), 4580-4586.

Isobe, T., Ramu, K., Kajiwara, N., Takahashi, S., Lam, P. K. S., Jefferson, T. A., Zhou, K. and Tanabe, S. (2007): Isomer specific determination of hexabromocyclododecanes (HBCDs) in small cetaceans from the South China Sea – Levels and temporal variation. *Marine Pollution Bulletin*, 54(8), 1139-1145.

Kannan, K., Agusa, T., Evans, T. J. and Tanabe, S. (2007): Trace element concentrations in livers of polar bears from two populations in northern and western Alaska. *Archives of Environmental Contamination and Toxicology*, 53(3), 473-482.

Kunisue, T., Takayanagi, N., Isobe, T., Takahashi, S., Nose, M., Yamada, T., Komori, H., Arita, N., Ueda, N. and Tanabe, S. (2007): Polybrominated diphenyl ethers and persistent organochlorines in Japanese human adipose tissues. *Environment International*, 33(8), 1048-1056.

Onbe, K., Nishida, S., Sone, E., Kanda, N., Goto, M., Pastene, L. A., Tanabe, S. and Koike, H. (2007): Sequence validation in the *Tbx4* gene in marine mammals. *Zoological Science*, 24(5), 449-464.

Sousa, A., Matsudaira, C., Takahashi, S., Tanabe, S. and Barroso, C. (2007) : Integrative assessment of organotin contamination in a southern European estuarine system (Ria de Aveiro, NW Portugal) : tracking temporal trends in order to evaluate the effectiveness of the EU ban. *Marine Pollution Bulletin*, 54(10), 1645-1653.

Falandysz, J., Kunito, T., Kubota, R., Lipka, K., Mazur, A., Falandysz, J. J. and Tanabe, S. (2007): Selected elements in fly araric *Amanita muscaria*. *Journal of Environmental Science and Health, Part A*, 42(11), 1615-1623.

Azumi, K., Nakamura, S., Kitamura, S., Jung, S., Kanehira, K., Iwata, H., Tanabe, S. and Suzuki, S. (2007): Accumulation of organotin compounds and marine birnavirus detection in Korean ascidians. *Fisheries Science*, 73(2), 263-269.

Falandysz, J., Kunito, T., Kubota, R., Brzostowski, A., Mazur, M. A., Falandysz, J. J. and Tanabe, S. (2007): Selected elements in brown scaber stalk *Leccinum scabrum*. *Journal of Environmental Science and Health, Part A*, 42(14), 2081-2088.

#### [参考論文]

岩田久人・金 恩英・山内正信・井上 英・阿草哲郎・田辺信介 (2007): 水圏生態系の化学物質汚染, *YAKUGAKU ZASSHI*, 127(3), 417-428.

小松正幸・田辺信介 (2007): 文部科学省 21世紀 COE プログラム研究拠点形成費補助金「沿岸環境科学研究拠点成果報告書」(平成14年度～平成18年度), 平成19年3月, 550 pp.

田辺信介 (2007): 保存試料を活用して海洋汚染の過去を読み将来を予測する, 人と海洋の共生をめざして—150人のオピニオンIII, *海洋政策研究財団*, 82-83.

Matsukami, H., Watanabe, K., Takemori, H., Takahashi, S., Takasuga, T. and Tanabe, S. (2007): Comprehensive analysis for organo-bromine compounds in environmental samples with GC/MS (EI/NCI). *Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes*, 7-10.

Kunisue, T., Yamada, T. K., Takahashi, S. and Tanabe, S. (2007): Occurrence of hydroxylated polychlorinated biphenyls in the brain of three cetacean species stranded along the Japanese coast. *Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes*, 11-14.

Sudaryanto, A., Ramu, K., Isobe, T., Kajiwar, N., Takahashi, S., Setiawan, I. E. and Tanabe, S. (2007): Levels, distribution and temporal variation of brominated flame retardants in the environment of Indonesia. *Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and*

Environmental Changes, 27-30.

Ramu, K., Kajiwara, N., Isobe, T., Takahashi, S., Kim, E. Y., Min, B., Y., We, S. and Tanabe, S. (2007): Contamination status and spatial distribution of organohalogen compounds in coastal waters of Korea. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 31-34.

Ueno, D., Subramanian, An., Alaei, M., Marvin, C., Muir, D. C. G., Macinnis, G., Reiner, E., Crozier, P., Furdui, V. I., Fillmann, G., Lam, P. K. S., Zheng, G. J., Muchtar, M., Razak, H., Prudente, M., Chung, K. and Tanabe, S. (2007): Global pollution monitoring of persistent toxic substances (PTS) using skipjack tuna as a bioindicator. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 35-38.

Isobe, T., Minh, N. H., Ueno, D., Matsumoto, K., Kajiwara, N., Takahashi, S. and Tanabe, S. (2007): Horizontal distribution and temporal trend of polybrominated diphenyl ethers and hexabromocyclododecanes in Tokyo Bay. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 39-42.

Nam, D. H., Kim, E. Y., Iwata, H. and Tanabe, S. (2007): Responses of metallothioneins (MT1 and MT2) associated with element exposure in cormorant (*Phalacrocorax carbo*) and mallard (*Anas platyrhynchos*). Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 51-54.

Agusa, T., Inoue, S., Kunito, T., Ramu, K., Charaborty, P., Chamnan, C., Trang, P. T. K., Minh, T. B., Iwata, H., Subramanian, An., Viet, P. H., Tana, T. S. and Tanabe, S. (2007): Arsenic contamination in groundwater and residents from Vietnam, Cambodia and India. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 55-58.

Lam, J. C. W., Murphy, M. B., Tanabe, S. and Lam, P. K. S. (2007): Persistent organic pollutants in waterbird eggs from the South China coastal region. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical



Pollution and Environmental Changes, 63-66.

Minh, T. B., Minh, N. H., Viet, P. H., Tuyen, B. C., Takahashi, S. and Tanabe, S. (2007): Persistent organic pollutants in Vietnam: a concise review of environmental and human health implications. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 85-88.

Niimi, S., Kim, E. Y., Iwata, H., Yasunaga, G., Fujise, Y. and Tanabe, S. (2007): Heterologous expression and functional characterization of cytochrome P450 1A1 from common minke whale (*Balaenoptera acutorostrata*). Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 97-100.

Nakayama, K., Iwata, H., Tao, L., Kannan, K., Imoto, M., Kim, E. Y., Tashiro, K. and Tanabe, S. (2007): Assessment of mixture toxicities of perfluorinated compounds and dioxins by gene expression profiling in wild cormorants. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 101-104.

Sakai, H., Iwata, H., Kim, E. Y., Petrov, E. A. and Tanabe, S. (2007): Constitutive androstane/active receptor in Baikal seal: the transactivation potential of environmental pollutants as a sensing biomarker. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 109-112.

Yasui, T., Kim, E. Y., Iwata, H., Franks, D. G., Karchner, S. I., Hahn, M. E. and Tanabe, S. (2007): Novel aryl hydrocarbon receptor isoform, AhR2, in avian species: functional characterization and evolutionary history. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 113-118.

Lee, J. S., Kim, E. Y., Iwata, H. and Tanabe, S. (2007): In vitro TCDD-transactivation analysis of CYP1A5 promoter/enhancer region from common cormorant (*Phalacrocorax carbo*). Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 119-122.

Kubota, A., Iwata, H., Kim, E. Y. and Tanabe, S. (2007): Functional characterization of avian cytochrome P450 1A4 and 1A5 enzymes using in vitro yeast expression system. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 123-126.

Imaeda, D., Kunisue, T., Iwata, H., Tsydenova, O. V., Takahashi, S., Amano, M., Petrov, E. A., Batoev, V. B. and Tanabe, S. (2007): Accumulation features and temporal trend of dioxins and related compounds in Baikal seal (*Pusa sibirica*). Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 127-131.

Someya, M., Ohtake, M., Kunisue, T., Subramanian, An., Takahashi, S., Chakraborty, P. and Tanabe, S. (2007): Persistent organochlorines in human breast milk from the open dumping site in Kolkata, India: specific residue of PCBs and dioxin-like compounds. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 137-140.

Ochi, Y., Kajiwara, N., Isobe, T., Takahashi, S., Amano, M., Kuiken, T., Osterhaus, A. D. M. E. and Tanabe, S. (2007): Contamination status and specific accumulation of brominated flame retardants (BFRs) in harbor seal collected during an unusual mortality event in the North Sea in 2002. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 141-145.

Yoneda, K., Abe, T., Hashimoto, T., Furuhashi, Y., Tajima, Y., Takahashi, S., Tanabe, S. and Yamada, T. (2007): Effects of age factors in accumulations of organochlorine compounds in finless porpoises (*Neophocaena phocaenoides*) from the coastal waters of Japan. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 147-150.

Takayanagi, N., Kunisue, T., Isobe, T., Takahashi, S., Okumoto, K., Bushisue, S., Shindo, K., Tsubota, T., Nakatsu, S. and Tanabe, S. (2007): Contamination status and accumulation features of organohalogen compounds in raccoon dogs (*Nyctereutes procyonoides*) from Japan. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 151-154.

Isobe, T., Ochi, Y., Ramu, K., Yamamoto, T., Takahashi, S. and Tanabe, S. (2007): Organochlorines and brominated flame retardants in striped dolphins (*Stenella coeruleoalba*) stranded at the Gogo-shima Island, Ehime, Japan. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 159-162.

Sudaryanto, A., Kajiwaru, N., Muawanah, P. H., Omori, K., Santoso, A. D., Setiawan, I. E., Takeoka, H. and Tanabe, S. (2007): Assessment of the levels and human risk of organohalogen contaminants in farmed grouper from Indonesia. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 163-166.

Sudaryanto, A., Isobe, T., Agusa, T., Takahashi, S., Iwata, H., Nakamura, S., Reungsang, A., Srisuk, K., Takizawa, S. and Tanabe, S. (2007): Environmental occurrence of organochlorines and brominated flame retardants in sediments from middle Mekong basin. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 167-170.

Sudaryanto, A., Kajiwaru, N., Tsydenova, O. V., Kunisue, T., Takahashi, S., Yu, H. and Tanabe, S. (2007): Levels and congener specific profiles of PBDE in human breast milk from mothers living in Nanjing and Zhouzan, China. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 171-174.

Malarvannan, G., Kunisue, T., Isobe, T., Takahashi, S., Sudaryanto, A., Prudente, M. and Tanabe, S. (2007): Specific accumulation of organohalogen compounds in human breast milk from the Philippines: levels, distribution, accumulation kinetics and infant health risk. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 175-178.

Tsydenova, O. V., Sudaryanto, A., Kajiwaru, N., Kunisue, T., Takahashi, S., Batoev, V. B. and Tanabe, S. (2007): Human exposure to organohalogen contaminants in Russia: residues in breast milk and food items. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 179-182.

Matsudaira, C., Takahashi, S., Taki, Y., Yoshioka, M., Jefferson, T. A. and Tanabe, S. (2007): Contamination of organotin compounds in finless porpoises (*Neophocaena phocaenoides*) stranded along coastal waters of Japan and Hong Kong. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 183-186.

Murata, S., Takahashi, S., Agusa, T., Kannan, K., Thomas, N. J. and Tanabe, S. (2007): Contamination status and accumulation profiles of organotins in southern sea otters (*Enhydra lutris nereis*) found dead along California coast. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 187-191.

Nakata, H., Sasaki, H., Ishimoto, Y., Takemura, A., Yoshioka, M., Tanabe, S. and Kannan, K. (2007): Emerging contaminants: synthetic musks in the marine environment. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 197-200.

Takagi, K., Agusa, T., Anan, Y., Kubota, R. and Tanabe, S. (2007): Arsenic speciation in green turtles (*Chelonia mydas*) and hawksbill turtles (*Eretmochelys imbricata*). Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 201-204.

Ikemoto, T., Kim, E. Y., Kunito, T., Iwata, H. and Tanabe, S. (2007): Preliminary study on Hg-Se binding proteins in liver of northern fur seals. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 205-208.

Ninomiya, H., Uno, K., Izumi, Y., Aoki, H., Takahashi, S. and Tanabe, S. (2007): Distribution and sources of metals in atmospheric aerosol and fallout dust at Ehime, Japan. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 209-212.

Tu, N. P. C., Ha, N. N., Ikemoto, T., Tuyen, B. C., Tanabe, S. and Takeuchi, I. (2007): Trace element accumulation in *Macrobrachium rosenbergii* (Decapoda: Palaemonidae) from south Vietnam. Proceedings of the International Symposium 2006 on Pioneering

Studies of Young Scientists on Chemical Pollution and Environmental Changes, 213-216.

Inoue, S., Agusa, T., Kubota, R., Kunito, T., Minh, T. B., Trang, P. T. K., Viet, P. H., Tu, N. P. C., Tuyen, B. C., Reungsang, A., Srisuk, K., Nakamura, S., Takizawa, S., Chamnan, C., Tana, T. S., Iwata, H. and Tanabe, S. (2007): Arsenic pollution in groundwater in the lower Mekong basin. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 217-220.

Toyoshima, S., Takahashi, S., Ikemoto, T., Agusa, T., Miyasaka, H., Omori, K., Nishida, S. and Tanabe, S. (2007): Evaluation of accumulation properties of trace elements in a deep-sea ecosystem of Sagami Bay, Japan by using stable isotope ratios ( $\delta^{15}\text{N}$  and  $\delta^{13}\text{C}$ ). Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 225-228.

Ueda, K., Hamano, S., Yamamoto, T., Umemura, S. and Tanabe, S. (2007): Thermal treatment of dioxin-contaminated soil by indirect heating process. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 229-233.

Watanabe, M. X., Iwata, H., Kim, E. Y., Jones, S. P. and Kennedy, S. W. (2007): Effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin and perfluorinated compounds in chicken hepatocytes. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 259-262.

Hirakawa, S., Iwata, H., Kim, E. Y., Tanabe, S., Miyazaki, N. and Petrov, E. A. (2007): Analysis of CYP1A1/1A2 transcriptional regulatory regions, and their hepatic mRNA expressions related to 2,3,7,8-TCDD toxic equivalent levels in Baikal seals. Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 263-266.

Ishibashi, H., Iwata, H., Kim, E. Y., Tao, L., Kannan, K., Tanabe, S., Miyazaki, N., Batoev, V. B. and Petrov, E. A. (2007): Accumulation of perfluorinated compounds and effects on peroxisome proliferator-activated receptor  $\alpha$ - cytochrome P450 4A signaling pathway in Baikal seal (*Pusa sibirica*). Proceedings of the International Symposium

2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 267-271.

Udaka, M., Ikemoto, T., Takahashi, S. and Tanabe, S. (2007): Concentration of radionuclides ( $^{137}\text{Cs}$  and  $^{40}\text{K}$ ) in the Baikal seal (*Pusa sibirica*). Proceedings of the International Symposium 2006 on Pioneering Studies of Young Scientists on Chemical Pollution and Environmental Changes, 277-280.

磯部友彦・高橋 真・田辺信介 (2007): 東京湾柱状堆積物による臭素系難燃剤汚染の過去復元, 環境浄化技術, 6(5), 13-15.

高橋 真・田辺信介・Ramu, K.・磯部友彦 (2007): アジア地域の自然システム循環における残留性化学物質の挙動研究—臭素系難燃剤等による環境・生態系汚染の実態—, 平成18年度廃棄物処理等科学研究研究成果報告書「家庭系廃製品の残留性化学物質と3Rシナリオ解析 (K1821)」, 平成19年3月, 13-40.

田辺信介・高橋 真・村田仁子 (2007): アジア地域の自然システム循環における残留性化学物質の挙動研究—インド調査報告—, 平成18年度廃棄物処理等科学研究研究成果報告書「家庭系廃製品の残留性化学物質と3Rシナリオ解析 (K1821)」, 平成19年3月, 41-57.

Ramu, K., Kajiwara, N., Mochizuki, H., Miyasaka, H., Asante, K. A., Takahashi, S., Ota, S., Yeh, H. M., Nishida, S. and Tanabe, S. (2007): Occurrence of organochlorine pesticides, polychlorinated biphenyls and polybrominated diphenyl ethers in deep-sea fishes from the Sulu Sea. 平成16年度～平成18年度科学研究費補助金 (基盤研究(B)) 研究成果報告書「外洋・深海生態系における人為汚染物質の分布と輸送・蓄積過程」, 平成19年5月, 34-39.

Toyoshima, S., Takahashi, S., Ikemoto, T., Agusa, T., Miyasaka, H., Omori, K., Nishida, S. and Tanabe, S. (2007): Evaluation of accumulation properties of trace elements in a deep-sea ecosystem of Sagami Bay, Japan by using stable isotope ratios. 平成16年度～平成18年度科学研究費補助金 (基盤研究(B)) 研究成果報告書「外洋・深海生態系における人為汚染物質の分布と輸送・蓄積過程」, 平成19年5月, 53-56.

宮脇恭史・土居原拓也・味口裕仁・高田裕美・田辺信介・松田正司 (2007): 胚発生を指標とした水質汚染モニタリングシステム構築の試み, 愛媛医学, 26(3), 217-222.

Sudaryanto, A., Isobe, T., Agusa, T., Takahashi, S., Iwata, H., Nakamura, S., Takizawa, S. and Tanabe, S. (2007): Levels and distribution of organochlorine compounds and brominated flame retardants in fish from Laos. *Organohalogen Compounds*, 69, 55-58.

Ramu, K., Kajiwara, N., Isobe, T., Takahashi, S., Miyasaka, H., Kubodera, T. and Tanabe, S. (2007): Organohalogen compounds in deep sea organisms from East China Sea: levels, profiles, and fate. *Organohalogen Compounds*, 69, 437-440.

Tanabe, S., Ramu, K., Isobe, T., Kajiwara, N., Takahashi, S., Jefferson, T. A. and Yamada, T. K. (2007): Levels and temporal trends of brominated flame retardants (PBDEs and HBCDs) in Asian waters using archived samples from es-BANK, Ehime University, Japan. *Organohalogen Compounds*, 69, 500-503.

Nagayama, J., Matsueda, T., Hirakawa, H., Kunisue, T., Tanabe, S., Tsuji, H., Kohno, H., Shimomura, H. and Yanagawa, T. (2007): Effects of lipid extraction from breast milk on risk assessment of dioxins and other POPs in Japanese infants. *Organohalogen Compounds*, 69, 512-515.

Subramanian, A., Kunisue, T., Someya, M., Ramu, K., Ohtake, M., Takahashi, S. and Tanabe, S. (2007): Persistent organic pollutants in human breast milk from two metropolitan cities in the east coast of India. *Organohalogen Compounds*, 69, 785-788.

Imaeda, D., Kunisue, T., Iwata, H., Tsydenova, O., Takahashi, S., Amano, M., Petrov, E. A., Batoev, V. B. and Tanabe, S. (2007): Dioxins and related compounds in Baikal seals (*Pusa sibirica*): levels, patterns and temporal trends. *Organohalogen Compounds*, 69, 837-840.

Sakai, H., Iwata, H., Kim, E., Petrov, E. A. and Tanabe, S. (2007): Transactivation potentials of constitutive androstane/active receptor by persistent organic pollutants and brominated flame retardants: a comparative study of Baikal seal (*Pusa sibirica*) and mouse. *Organohalogen Compounds*, 69, 853-856.

Sousa, A. C., Laranjeiro, F., Takahashi, S., Tanabe, S. and Barroso, C. M. (2007): Usefulness of *Nassarius reticulatus* imposex levels to monitor decreasing levels in TBT pollution: field and laboratory studies. *Organohalogen Compounds*, 69, 1075-1078.

Matsukami, H., Watanabe, K., Takemori, H., Takahashi, S., Takasuga, T. and Tanabe, S. (2007): Application of GC/TOFMS for comprehensive analysis of organohalogen compounds in blubber and liver of finless porpoise. *Organohalogen Compounds*, 69, 1218-1221.

Kubota, A., Iwata, H., Yoneda, K. and Tanabe, S. (2007): Temporal trends of dioxins and related compounds concentrations and cytochrome P450A-dependent catalytic activities in common cormorants from Lake Biwa, Japan through 2001 to 2005. *Organohalogen Compounds*, 69, 1637-1640.

Someya, M., Kunisue, T., Tashiro, Y., Asakawa, M., Iwata, H. and Tanabe, S. (2007): Contamination status and accumulation features of dioxins and related compounds in terrestrial mammals from Japan. *Organohalogen Compounds*, 69, 1721-1724.

Murata, S., Kunisue, T., Yamada, T. K. and Tanabe, S. (2007): Hydroxylated polychlorinated biphenyls in the blood of melon-headed whales (*Peponocephala electra*) stranded along the Japanese coast. *Organohalogen Compounds*, 69, 1737-1740.

Hirakawa, S., Imaeda, D., Nakayama, K., Kim, E., Kunisue, T. and Tanabe, S. (2007): Gene expression profile in the liver of Baikal seals (*Pusa sibirica*): association with dioxins and related compounds. *Organohalogen Compounds*, 69, 1741-1744.

Kim, E., Suda, T., Iwata, H., Petrov, E. And Tanabe, S. (2007): Relative potencies for AHR-mediated toxicity of dioxins and related compounds in Baikal seal (*Pusa sibirica*) estimated by in vitro bioassay. *Organohalogen Compounds*, 69, 1850-1853.

Lee, J., Kim, E., Iwata, H. and Tanabe, S. (2007): Molecular mechanism of avian AHR1-CYP1A5 signaling pathway: TCDD responses of 5' flanking regions of CYP1A5 genes from chicken (*Gallus gallus*) and cormorant (*Phalacrocorax carbo*). *Organohalogen Compounds*, 69, 1854-1857.

Viet, P. H., Minh, N. H., Minh, T. B., Tuyen, B. C., Takahashi, S. and Tanabe, S. (2007): A review of persistent organic pollutants in Vietnam; implications for human exposure. *Organohalogen Compounds*, 69, 2639-2642.



Isobe, T., Takayanagi, N., Kunisue, T., Nakatsu, S., Tsubota, T., Okumoto, K., Bushisue, S., Shindo, K., Takahashi, S. and Tanabe, S. (2007): Brominated flame retardants in raccoon dogs from Japan - a monitoring survey of wild terrestrial mammals. *Organohalogen Compounds*, 69, 2732-2735.

Sudaryanto, A., Ramu, K., Isobe, T., Minh, N. H., Agusa, T., Kajiwara, N., Takahashi, S., Iwata, H., Setiawan, I. E., Ilyas, M., Ismail, A., Min, B. Y., Matsumoto, K. and Tanabe, S. (2007): Assessment of brominated flame retardants in sediments from Asia: levels, profiles and temporal trends. *Organohalogen Compounds*, 69, 2744-2747.

田辺信介 (2007): 愛媛大学のグローバル COE プログラム「化学物質の環境科学教育研究拠点」, 学術月報, 60(12), 1025-1030.

#### [学会発表・講演等]

田辺信介 (2007): 愛媛大学 21 世紀 COE プログラム「沿岸環境科学研究拠点」, 第 10 回日本生態学会公開講演会「地球生態系の現在と未来」—21 世紀 COE 4 拠点の成果から—, 松山, 3 月, 資料集 6-7.

今枝大輔・国末達也・岩田久人・Sydenova, O.・高橋 真・天野雅男・Petrov, E.・Batoev, V.・田辺信介 (2007): ダイオキシン類によるバイカルアザラの汚染とその経年変動, 2007 年度日本水産学会春季大会, 東京, 3 月, 講演要旨集, 236.

松平知帆・高橋 真・古川暁子・滝ゆかり・Jefferson, T.・田辺信介 (2007): 日本および香港に漂着したスナメリの有機スズ化合物汚染, 2007 年度日本水産学会春季大会, 東京, 3 月, 講演要旨集, 236.

田辺信介 (2007): COE の成果概要, 愛媛大学 21 世紀 COE プログラム「沿岸環境科学研究拠点」最終成果報告会, 松山, 3 月.

田辺信介 (2007): 内分泌攪乱物質等有害化学物質の環境動態と生態影響の解明, 愛媛大学 21 世紀 COE プログラム「沿岸環境科学研究拠点」最終成果報告会, 松山, 3 月.

Ana, S., Takahashi, S., Barroso, C. and Tanabe, S. (2007): Butyl, phenyl and octyl tin compounds in *mytilus galloprovincialis* in the NW Portuguese coast. SETAC (Society of Environmental Toxicology and Chemistry) Europe 17th Annual Meeting, Porto,

Portugal, May, Abstract Book, 223.

Lam, P. K. S., Lam, J. C. W., Tanabe, S., Richardson, B. and Giesy, J. P. (2007): Persistent organic pollutants in the south China coastal region with special reference to contaminant levels in marine cetaceans and waterbird eggs. 5th International Conference on Marine Pollution and Ecotoxicology, Hong Kong, China, June, Programme & Abstracts, K-7.

Tanabe, S. (2007): Brominated flame retardants in the Asia-Pacific region. 5th International Conference on Marine Pollution and Ecotoxicology, Hong Kong, China, June, Programme & Abstracts, K-8.

Agusa, T., Takagi, K., Iwata, H. and Tanabe, S. (2007): Arsenic species and their accumulation features in liver, kidney, and muscle of green turtles (*Chelonia mydas*). 5th International Conference on Marine Pollution and Ecotoxicology, Hong Kong, China, June, Programme & Abstracts, O-7.

Tu, N. P. C., Ha, N. N., Tuyen, B. C., Tanabe, S. and Takeuchi, I. (2007): Regional variations in trace element concentrations in tissues of black tiger shrimp *Penaeus monodon* (Decapoda: Penaeidae) from south Vietnam. 5th International Conference on Marine Pollution and Ecotoxicology, Hong Kong, China, June, Programme & Abstracts, O-36.

Agusa, T., Nomura, K., Anan, Y., Kunito, T., Iwata, H., Miyazaki, N., Tanabe, S. and Tatsukawa, R. (2007): Age-dependent variations of 19 trace elements in tissues of striped dolphins (*Stenella coeruleoalba*). 5th International Conference on Marine Pollution and Ecotoxicology, Hong Kong, China, June, Programme & Abstracts, P-25.

Nakayama, K., Kitamura, S. I., Murakami, Y., Song, J. Y., Jung, S. J., Oh, M. J., Iwata, H. and Tanabe, S. (2007): Toxicogenomic analysis of immune system-related genes in Japanese flounder exposed to heavy oil. 5th International Conference on Marine Pollution and Ecotoxicology, Hong Kong, China, June, Programme & Abstracts, P-93.

Murai, R., Sugimoto, S., Tanabe, S. and Takeuchi, I. (2007): Analysis of biomagnification profiles of TBT and TPT in coastal food webs of western Japan by stable carbon and nitrogen isotope ratios. 5th International Conference on Marine

Pollution and Ecotoxicology, Hong Kong, China, June, Programme & Abstracts, P-142.

今枝大輔・国末達也・岩田久人・Tsydenova, O.・高橋 真・天野雅男・Petrov, E. A.・Batoev, V. B., 田辺信介 (2007): バイカルアザラシのダイオキシン類汚染—蓄積特性および経年変動の解析—, 第16回環境化学討論会, 北九州市, 6月, 講演要旨集, 24-25.

高橋 真・国末達也・村田仁子・先山孝則・山田 格・田辺信介 (2007): 鯨類から検出された PCBs の蓄積特性, 第16回環境化学討論会, 北九州市, 6月, 講演要旨集, 72-73.

二宮 久・宇野克之・泉 喜子・青木平八郎・高橋 真・田辺信介 (2007): 愛媛県における大気エアロゾル及び降下物中の金属類の分布及び起源, 第16回環境化学討論会, 北九州市, 6月, 講演要旨集, 116-117.

豊島沙織・田村裕貴・高橋 真・池本徳孝・阿草哲郎・宮坂 仁・Miller, T.・大森浩二・西田周平・田辺信介 (2007): 安定同位対比を用いた相模湾深海生態系の解析と微量元素および有機塩素化合物の蓄積特性, 第16回環境化学討論会, 北九州市, 6月, 講演要旨集, 128-129.

松神秀徳・渡邊清彦・獄盛公昭・高橋 真・高菅卓三・田辺信介 (2007): GC/MS(EI 及びNI)法を用いた生物試料中有機臭素化合物の調査, 第16回環境化学討論会, 北九州市, 6月, 講演要旨集, 150-151.

越智陽子・磯部友彦・高橋 真・梶原夏子・天野雅男・Kuiken, T.・Osterhaus, A. D. M. E.・田辺信介 (2007): 海棲高等動物における有機ハロゲン物質の体内分布と挙動, 第16回環境化学討論会, 北九州市, 6月, 講演要旨集, 154-155.

磯部友彦・越智陽子・Ramu, K.・山本貴仁・高橋 真・田辺信介 (2007): 有機塩素化合物および臭素系難燃剤によるスジイルカの汚染実態と蓄積特性, 第16回環境化学討論会, 北九州市, 6月, 講演要旨集, 156-157.

明石百恵・阿南弥寿美・宮坂 仁・松本純子・楠 憲一・池本徳孝・大森浩二・高橋 真・田辺信介 (2007): 日本沿岸で採取したサメ類の微量元素蓄積特性, 第16回環境化学討論会, 北九州市, 6月, 講演要旨集, 230-231.

Sudaryanto, A., Isobe, T., Agusa, T., Takahashi, S., Iwata, H., Nakamura, S., Reungsang, A., Srisuk, K., Takizawa, S. and Tanabe, S. (2007): Contamination by brominated flame

retardants in Mekong River Basin, 第16回環境化学討論会, 北九州市, 6月, 講演要旨集, 286-287.

Nakata, H., Nakazawa, Y., Ishimoto, Y., Ramu, K., Kajiwara, N., Sudaryanto, A., Isobe, T., Takahashi, S., Subramanian, An., Kim, E. Y., Zheng, G. J., Lam, P. K. S., Min, B. Y., We, S. U., Viet, P. H., Ismail, A., Muchtar, M., Tana, T. S., Prudente, M. and Tanabe, S. (2007): Sources and distribution of polycyclic aromatic hydrocarbons (PAHs) in sediment, Thailand. 第16回環境化学討論会, 北九州市, 6月, 講演要旨集, 294-295.

阿草哲郎・國頭 恭・Ramu, K., Ha, N. N., Minh, T. B.・高橋 真・岩田久人・田辺信介・Tu, N. P. C.・Thang, N. D.・Charaborty, P.・Chamnan, C.・Trang, P. T. K.・Tuyen, B. C.・Viet, P. H.・Tana, T. S. (2007): 微量元素によるアジア途上国の大気汚染, 第16回環境化学討論会, 北九州市, 6月, 講演要旨集, 718-719.

阿草哲郎・高木 梢・岩田久人・田辺信介 (2007): タイマイとアオウミガメにおけるヒ素の蓄積特性, 第18回日本微量元素学会, 福井市, 7月, プログラム・抄録集, 166.

曾根恵海・山田 格・田辺信介・宮崎信之・酒井 孝・小池裕子 (2007): 集団座礁したカズハゴンドウの MHC 遺伝子多型解析, 第18回日本セトロジー研究会, 宮崎大会, 宮崎市, 7月, 発表要旨集, 11.

松平千帆・高橋 真・滝ゆかり・吉岡 基・Jefferson, T. A.・田辺信介 (2007): 日本および香港に漂着したスナメリの有機スズ化合物汚染, 第18回日本セトロジー研究会, 宮崎大会, 宮崎市, 7月, 発表要旨集, 16.

中田晴彦・佐々木宏・竹村 暢・吉岡 基・田辺信介・Kannan, K. (2007): 日本沿岸の漂着鯨類に残留する人工化学物質—合成香料を例に—, 第18回日本セトロジー研究会, 宮崎大会, 宮崎市, 7月, 発表要旨集, 28.

田辺信介 (2007): 環境ホルモンと野生生物, 平成19年度愛媛県教育委員会県立学校10年教職経験者研修講座, 松山市, 8月.

田辺信介 (2007): 有害物質による地球規模の環境汚染と生物影響, 第44回分析化学講習会, 松山市, 8月, 資料集, 10-21.

Sudaryanto, A., Isobe, T., Agusa, T., Takahashi, S., Iwata, H., Nakamura, S., Takizawa,

S. and Tanabe, S. (2007): Levels and distribution of organochlorine compounds and brominated flame retardants in fish from Laos. DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 4.

Ramu, K., Kajiwara, N., Isobe, T., Takahashi, S., Miyasaka, H., Kubodera, T. and Tanabe, S. (2007): Organohalogen compounds in deep sea organisms from East China Sea: levels, profiles, and fate. DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 22.

Tanabe, S., Ramu, K., Isobe, T., Kajiwara, N., Takahashi, S., Jefferson, T. A. and Yamada, T. K. (2007): Levels and temporal trends of brominated flame retardants (PBDEs and HBCDs) in Asian waters using archived samples from es-BANK, Ehime University, Japan. DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 25.

Nagayama, J., Matsueda, T., Hirakawa, H., Kunisue, T., Tanabe, S., Tsuji, H., Kohno, H., Shimomura, H. and Yanagawa, T. (2007): Effects of lipid extraction from breast milk on risk assessment of dioxins and other POPs in Japanese infants. DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 26.

Subramanian, A., Kunisue, T., Someya, M., Ramu, K., Ohtake, M., Takahashi, S. and Tanabe, S. (2007): Persistent organic pollutants in human breast milk from two metropolitan cities in the east coast of India. DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 38.

Imaeda, D., Kunisue, T., Iwata, H., Tsydenova, O., Takahashi, S., Amano, M., Petrov, E. A., Batoev, V. B. and Tanabe, S. (2007): Dioxins and related compounds in Baikal seals (*Pusa sibirica*): levels, patterns and temporal trends. DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 40.

Sakai, H., Iwata, H., Kim, E., Petrov, E. A. and Tanabe, S. (2007): Transactivation potentials of constitutive androstane/active receptor by persistent organic pollutants and brominated flame retardants: a comparative study of Baikal seal (*Pusa sibirica*) and mouse. DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 41.

Sousa, A. C., Laranjeiro, F., Takahashi, S., Tanabe, S. and Barroso, C. M. (2007): Usefulness of *Nassarius reticulatus* imposex levels to monitor decreasing levels in TBT pollution: field and laboratory studies. DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 50.

Matsukami, H., Watanabe, K., Takemori, H., Takahashi, S., Takasuga, T. and Tanabe, S. (2007): Application of GC/TOFMS for comprehensive analysis of organohalogen compounds in blubber and liver of finless porpoise. DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 57.

Kubota, A., Iwata, H., Yoneda, K. and Tanabe, S. (2007): Temporal trends of dioxins and related compounds concentrations and cytochrome P4501A-dependent catalytic activities in common cormorants from Lake Biwa, Japan through 2001 to 2005. DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 75.

Someya, M., Kunisue, T., Tashiro, Y., Asakawa, M., Iwata, H. and Tanabe, S. (2007): Contamination status and accumulation features of dioxins and related compounds in terrestrial mammals from Japan. DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 79.

Murata, S., Kunisue, T., Yamada, T. K. and Tanabe, S. (2007): Hydroxylated polychlorinated biphenyls in the blood of melon-headed whales (*Peponocephala electra*) stranded along the Japanese coast. DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 79.

Hirakawa, S., Imaeda, D., Nakayama, K., Kim, E., Kunisue, T. and Tanabe, S. (2007): Gene expression profile in the liver of Baikal seals (*Pusa sibirica*): association with dioxins and related compounds. DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 80.

Kim, E., Suda, T., Iwata, H., Petrov, E. and Tanabe, S. (2007): Relative potencies for AHR-mediated toxicity of dioxins and related compounds in Baikal seal (*Pusa sibirica*) estimated by in vitro bioassay. DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 84.

Lee, J., Kim, E., Iwata, H. and Tanabe, S. (2007): Molecular mechanism of avian

AHR1-CYP1A5 signaling pathway: TCDD responses of 5' flanking regions of CYP1A5 genes from chicken (*Gallus gallus*) and cormorant (*Phalacrocorax carbo*). DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 85.

Viet, P. H., Minh, N. H., Minh, T. B., Tuyen, B. C., Takahashi, S. and Tanabe, S. (2007): A review of persistent organic pollutants in Vietnam; implications for human exposure. DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 118.

Isobe, T., Takayanagi, N., Kunisue, T., Nakatsu, S., Tsubota, T., Okumoto, K., Bushisue, S., Shindo, K., Takahashi, S. and Tanabe, S. (2007): Brominated flame retardants in raccoon dogs from Japan – a monitoring survey of wild terrestrial mammals. DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 123.

Sudaryanto, A., Ramu, K., Isobe, T., Minh, N. H., Agusa, T., Kajiwara, N., Takahashi, S., Iwata, H., Setiawan, I. E., Ilyas, M., Ismail, A., Min, B. Y., Matsumoto, K. and Tanabe, S. (2007): Assessment of brominated flame retardants in sediments from Asia: levels, profiles and temporal trends. DIOXIN 2007 International Symposium, Tokyo, Japan, Sept., Abstracts Book, 123.

村田仁子・国末達也・田辺信介・山田 格 (2007): 日本沿岸に座礁した鯨類における PCBs の汚染実態と水酸化代謝物の蓄積特性, 第 13 回日本環境毒性学会・バイオアッセイ研究会合同研究発表会, 東京, 9 月, 講演要旨集, 1-2.

田辺信介 (2007): 生物環境試料バンクを活用した残留性有機汚染物質のグローバルモニタリング, 日本分析化学会第 56 年会, 徳島, 9 月, 講演要旨集, 10.

Agusa, T., Inoue, S., Kunito, T., Minh, T. B., Tu, N. P. C., Ha, N. N., Trang, P. T. K., Iwata, H., Tuyen, B. C., Viet, P. H. and Tanabe, S. (2007): Contamination by arsenic and lead in residents from Vietnam. The 4th Seminar on Environmental Science and Technology Issues Related to the Sustainable Development for Urban and Coastal Areas, Danang, Vietnam, Sept., Abstracts, 91-94.

Minh, N. H., Minh, T. B., Kunisue, T., Iwata, H., Takahashi, S., Viet, P. H., Tuyen, B. C. and Tanabe, S. (2007): Contamination and temporal trend of persistent organic pollutants and brominated flame retardants in sediments of sai Gon – Dong Nai River and relevant coastal zone. The 4th Seminar on Environmental Science and Technology

Issues Related to the Sustainable Development for Urban and Coastal Areas, Danang, Vietnam, Sept., Abstracts, 429.

Sudaryanto, A., Kajiwaru, N., Tsydenova, O., Malarvannan, G., Kunisue, T., Isobe, T., Takahashi, S., Adibroto, T. A., Yu, H., Chung, K., Subramanian, An., Prudente, M., Tana, T. S. and Tanabe, S. (2007): Human exposure to brominated flame retardants in Asia: residues in breast milk and possible exposure sources and pathways. The 12th International Conference of the Pacific Basin Consortium for Environment & Health Sciences: Environment and Health in the 21st Century: Challenges and solutions, Beijing, China, Oct., Abstracts, 59-60.

Kannan, K., Agusa, T., Tanabe, S. and Evance, T. J. (2007): Trace element concentrations in livers of polar bears from two populations in northern and western Alaska. SETAC (Society of Environmental Toxicology and Chemistry) North America 28th Annual Meeting, Milwaukee, Wisconsin, USA, Nov., Abstract Book, 191.

Kannan, K., Moon, H., Agusa, T., Tanabe, S. and Thomas, N. J. (2007): Chlorinated, brominated and perfluorinated compounds and trace elements in livers of sea otters from California, Washington, and Alaska (USA) and from Kamchatka (Russia). SETAC (Society of Environmental Toxicology and Chemistry) North America 28th Annual Meeting, Milwaukee, Wisconsin, USA, Nov., Abstract Book, 192-193.

Nam, D., Kim, E., Iwata, H. and Tanabe, S. (2007): Functional analysis of cormorants (*Phalacrocorax carbo*) metallothionein 1 and 2 promoter/enhancer regions associated with element exposure. SETAC (Society of Environmental Toxicology and Chemistry) North America 28th Annual Meeting, Milwaukee, Wisconsin, USA, Nov., Abstract Book, 194.

Tanabe, S., Takahashi, S., Ikemoto, T., Malarvannan, G., Agusa, T., Yano, S., Ochi, Y. and Matsudaira, C. (2007): Pollution by anthropogenic contaminants and trace elements in fish and shellfish of the Nansei Islands. Japan. SETAC (Society of Environmental Toxicology and Chemistry) North America 28th Annual Meeting, Milwaukee, Wisconsin, USA, Nov., Abstract Book, 216.

Murata, S., Takahashi, S., Agusa, T. and Tanabe, S. (2007): Contamination status and accumulation profiles of organotins in sea otters (*Enhydra lutris*) found dead along the



coasts of California, Washington, Alaska (USA), and Kamchatka (Russia). SETAC (Society of Environmental Toxicology and Chemistry) North America 28th Annual Meeting, Milwaukee, Wisconsin, USA, Nov., Abstract Book, 285.

Agusa, T., Minh, N., Ha, H., Iwata, H. and Tanabe, S. (2007): Contamination status of arsenic in groundwater and humans in the Red River and the Mekong River Deltas, Vietnam. SETAC (Society of Environmental Toxicology and Chemistry) North America 28th Annual Meeting, Milwaukee, Wisconsin, USA, Nov., Abstract Book, 298.

Malarvannan, G., Ikemoto, T., Takahashi, S., Kunisue, T., Isobe, T., Sudaryanto, A., Miyagi, T., Nakamura, M., Yasumura, S. and Tanabe, S. (2007): Contamination status and spatial distribution of organohalogen compounds in fishes from Nansei Islands, Japan. The 4th International Symposium on Persistent Toxic Substances, Beijing, China, Nov., Abstracts, 67.

Malarvannan, G., Kunisue, T., Isobe, T., Sudaryanto, A., Takahashi, S., Prudente, M. and Tanabe, S. (2007): Contamination status and accumulation kinetics of organohalogen compounds in human breast milk from the Philippines. The 4th International Symposium on Persistent Toxic Substances, Beijing, China, Nov., Abstracts, 68.

Ninomiya, H., Uno, K., Izumi, Y., Aoki, H., Takahashi, S and Tanabe, S. (2007): Distribution and sources of metals in atmospheric aerosol. The 4th International Symposium on Persistent Toxic Substances, Beijing, China, Nov., Abstracts, 70.

越智陽子・磯部友彦・岩田久人・天野雅男・Petrov, E.・Batoev, V.・高橋 真・田辺信介 (2007): バイカルアザラシにおける臭素系難燃剤 (BFR) の汚染実態と蓄積特性, 環境ホルモン学会第10回研究発表会, 大宮, 12月, 要旨集, 71.

矢野真一・磯部友彦・国末達也・仲山 慶・須藤明子・高橋 真・田辺信介 (2007): 臭素系難燃剤によるカワウの汚染実態と生物濃縮, 環境ホルモン学会第10回研究発表会, 大宮, 12月, 要旨集, 72.

Sousa, A., Matsudaira, C., Takahashi, S., Tanabe, S. and Barroso, C. M. (2007): Organotin speciation in biota and sediments from Ria de Aveiro. Portugal. V Encontro Nacional de Cromatografia, Aveiro, Portugal, Dec., Abstracts, 153.

[一般向講演]

田辺信介 (2007): 特別講話: 研究者への道—自己の可能性を求めて—, 平成 19 年度愛媛大学大学院入学式, 松山, 4 月.

田辺信介 (2007): アジアの有害物質汚染～日本への影響は, 環境月間講演会「化学物質と環境」, 那覇市, 6 月, 要旨集, 2.

田辺信介 (2007): 基調講演: ヒトと野生生物の汚染—これまでの有害化学物質汚染調査から, 第 3 回未来世代のための環境シンポジウム「人と野生生物の環境汚染への新しい対策」, 東京, 6 月, 抄録集, 2-13.

145.

メントカレッジ めざせ! 男女共同参画の達人, えひめ女性財団, 松山, 10 月.

田辺信介 (2007): 愛媛大学の環境教育研究活動, 第 3 回 CIC 東京大学連合フォーラム「環境問題と大学の役割」パネルディスカッション, 東京, 11 月, 資料集, 27-29.

田辺信介 (2007): 生物環境試料バンクを活用した化学汚染のグローバルモニタリング, 第 3 回 CIC 東京大学連合フォーラム「環境問題と大学の役割」環境関連技術成果・事例紹介, 東京, 11 月, 資料集, 51-56.

田辺信介 (2007): 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, 12 月.

高橋 真・田辺信介 (2007/2008): PCB およびその他残留性有機ハロゲン化合物による地球規模の環境汚染, 第 44・45 回日本環境化学会講演会「PCB 廃棄物処理の現状と今後の課題」, 東京/大阪, 12/1 月, 予稿集, 41-42.