

2017年 業績目録

著 書

1. 田辺信介 (2017) : 10.4.2 アジア沿岸域の有機汚染物質濃度, 環境年表, 平成 29-30 年, 国立天文台編, 丸善出版, 東京, 437-438.
2. 田辺信介 (発起人代表) (2017): 追悼文集—立川 涼先生と環境化学—, 創風社出版, 松山, 154pp.

総 説

1. 高橋 真・田辺信介 (2017): PCB による地球環境汚染と今後の課題, 廃棄物資源循環学会誌, **28(2)**, 99-111.

原著論文

1. Sousa, A. C. A., Coelho, S. D., Pastorinho, M. R., Taborda-Barata. L., Nogueira, A. J. A., Isobe, T., Kunisue, T., Takahashi, S. and Tanabe, S. (2017): Levels of TBT and other selected organotin compounds in duplicate diet samples. *Science of the Total Environment*, **574**, 19-23.
2. Matsukami, H., Suzuki, G., Someya, M., Uchida, N., Tue, N. M., Tuyen, L. H., Viet, P. H., Takahashi, S., Tanabe, S. and Takigami, H. (2017): Concentrations of polybrominated diphenyl ethers and alternative flame retardants in surface soils and river sediments from an electronic waste-processing area in northern Vietnam, 2012-2014. *Chemosphere*, **167**, 291- 209.
3. Nishimura, C., Horii, Y., Tanaka, S., Asante, K. A., Ballesteros, F. Jr., Viet, P. H., Itai, T., Takigami, H., Tanabe, S. and Fujimori, T. (2017): Occurrence, Profiles, and toxic equivalents of chlorinated and brominated polycyclic aromatic hydrocarbons in E-waste open burning soils. *Environmental Pollution*, **225**, 252-260.
4. Goto, A., Tue, N. M., Someya, M., Isobe, T., Takahashi, S., Tanabe, S. and Kunisue, T. (2017): Spatio-temporal trends of polybrominated dibenzo-*p*-dioxins and dibenzofurans in archived sediments from Tokyo Bay, Japan. *Science of the Total Environment*, **599-600**, 340-347.
5. Nomiyama, K., Takaguchi, K., Mizukawa, H., Nagano, Y., Oshiohi, T., Nakatsu, S., Kunisue, T. and Tanabe, S. (2017): Species- and tissue-specific profiles of polybrominated diphenyl ethers and their hydroxylated and methoxylated derivatives in cats and dogs. *Environmental Science & Technology*, **51(10)**, 5811–5819.
6. Ochiai, M., Nomiyama, K., Isobe, T., Yamada, T. K., Tajima, Y., Matsuda, A., Shiozaki, A., Matsuishi, T., Amano, M., Iwata, H. and Tanabe, S. (2017): Polybrominated diphenyl ethers (PBDEs) and their hydroxylated and methoxylated analogues in the blood of harbor, Dall's and finless porpoises from the

- Japanese coastal waters. *Marine Environmental Research*, **128**, 124-132.
7. Kondo, T., Ikenaka, Y., Nakayama, S. M. M., Kawai, Y. K., Mizukawa, H., Mitani, Y., Nomiyama, K., Tanabe, S., Ishizuka, M. (2017): UDP-glucuronosyltransferase (UGT) 2B subfamily interspecies differences in carnivores. *Toxicological Sciences*, **158(1)**, 90-100.
 8. Ishii, C., Nakayama, S. M. M., Ikenaka, Y., Nakata, H., Saito, K., Watanabe, Y., Mizukawa, H., Tanabe, S., Nomiyama, K., Hayashi, T. and Ishizuka, M. (2017): Lead exposure in raptors from Japan and source identification using Pb stable isotope ratios. *Chemosphere*, **186**, 367-373.
 9. Mizukawa, H., Nomiyama, K., Nakatsu, S., Yamamoto, M., Ishizuka, M., Ikenaka, Y., Nakayama, S. M. M. and Tanabe, S. (2017) Anthropogenic and Naturally Produced Brominated Phenols in Pet Blood and Pet Food in Japan. *Environmental Science & Technology*, **51(19)**, 11354-11362.
 10. Tue, N. M., Goto, A., Takahashi, S., Itai, T., Asante, K. A., Nomiyama, K., Tanabe, S. and Kunisue, T. (2017): Soil contamination by halogenated polycyclic aromatic hydrocarbons from open burning of e-waste in Agbogbloshie (Accra, Ghana). *Journal of Material Cycles and Waste Management*, **19(4)**, 1324-1332.
 11. Takahashi, S., Tue, N. M., Takayanagi, C., Tuyen, L. H., Suzuki, G., Matsukami, H., Viet, P. H., Kunisue, T. and Tanabe, S. (2017): PCBs, PBDEs and Dioxin-related compounds in floor dust from an informal end-of-life vehicle recycling site in northern Vietnam: contamination levels and implications for human exposure. *Journal of Material Cycles and Waste Management*, **19(4)**, 1333-1341.
 12. Goto, A., Tue, N. M., Someya, M., Isobe, T., Takahashi, S., Tanabe, S. and Kunisue, T. (2017): Occurrence of natural mixed halogenated-p-dioxins: specific distribution and profiles in mussels from Seto Inland Sea, Japan. *Environmental Science & Technology*, **51(20)**, 11771-11779.
 13. Tanoue, R., Margiotta-Casaluci, L., Huerta, B., Runnalls, T. J., Nomiyama, K., Kunisue, T., Tanabe, S. and Sampter, J. P. (2017): Uptake and metabolism of human pharmaceuticals by fish: a case study with the opioid analgesic tramadol. *Environmental Science & Technology*, **51(21)**, 12825-12835.
 14. Coelho, S. D., Maricoto, T., Pastorinho, M. R., Itai, T., Isobe, T., Kunisue, T., Tanabe, S., Sousa, A. C. A. and Nogueira, A. J. A. (2017): Cadmium intake in women from the University of Aveiro, Portugal – A duplicate diet study. *Journal of Geochemical Exploration*, **183**, 187-190.

参考論文

15. 田辺信介 (2017): 定年退職を迎えて、愛媛大学理学部同窓会報, No. 10, 4.
16. 田辺信介 (2017): 次世代の環境化学, 25th Anniversary 日本環境化学会, 23.
17. 田辺信介 (2017): 追悼 立川涼先生, JEPA ニュース, 105, 4.
18. 田辺信介 (2017): 立川先生を偲んで, 環境化学, 27(3), iv-v.

学会発表・講演等

1. 後藤哲智・Nguyen Minh Tue・磯部友彦・田辺信介・国末達也 (2017): GC×GC-ToFMSによる残

- 留性有機汚染物質の網羅的スクリーニング, 第65回質量分析総合討論会, つくば, 5月, 講演要旨集, 3D-O2-1525, 3P-09.
2. 佐々木 真・田辺信介・国末達也・岩淵博之・宮脇隼輔・賣來 佐和子 (2017): 射撃場起源の微量元素汚染拡散の実態解明, 第26回環境化学討論会, 静岡, 6月, 講演要旨集, 1D-04, PO-333.
 3. 森木 翼・吉田博一・田辺信介・国末達也・杉山晶彦・賣來 佐和子 (2017): 日野川水系上流部における微量元素の起源探索およびタカハヤ (*Phoxinus oxycephalus jouyi*) を用いた初期曝露試験による毒性影響評価, 第26回環境化学討論会, 静岡, 6月, 講演要旨集, 1D-12, PO-332.
 4. 水川葉月・高居名菜・横山 望・市居 修・滝口満喜・野見山 桂・高口倅暉・西川博之・池中良徳・中山翔太・Sainnoxoi, T.・田辺信介・石塚 真由美 (2017): ポリ塩化ビフェニル (PCBs) 暴露によるネコ甲状腺機能への影響評価～甲状腺ホルモンの脱ヨード化と代謝能の解析～, 第26回環境化学討論会, 静岡, 6月, 講演要旨集, 2A-01.
 5. 高口倅暉・野見山 桂・西川博之・水川葉月・田上瑠美・芳之内 結加・横山 望・市居 修・滝口満喜・中山翔太・池中良徳・石塚 真由美・岩田久人・国末達也・田辺信介 (2017): PCBs 暴露がイヌ・ネコの甲状腺ホルモン恒常性へ及ぼす影響, 第26回環境化学討論会, 静岡, 6月, 講演要旨集, 2A-02, PO-313.
 6. 水川葉月・野見山 桂・池中良徳・中山翔太・Saengtienchai1, A.・Sainnoxoi1, T.・横山 望・笛岡 一慶・市居 修・Khidkhan, K.・高居名菜・滝口満喜・田辺信介・石塚 真由美 (2017): イエネコの *in vivo* 長期曝露試験：デカブロモジフェニルエーテル (BDE209) は甲状腺機能亢進症を引き起こすのか？, 第26回環境化学討論会, 静岡, 6月, 講演要旨集, 2A-03, PO-315.
 7. 田中啓介・野見山 桂・水川葉月・高口倅暉・田上瑠美・Saengtienchai, A.・Sainnoxoi, T.・横山 望・市居 修・滝口満喜・中山翔太・池中良徳・石塚 真由美・国末達也・田辺信介 (2017): イエネコの *in vivo* 長期曝露試験：デカブロモジフェニルエーテル(BDE209)の生体内変化, 第26回環境化学討論会, 静岡, 6月, 講演要旨集, 2A-04, PO-314.
 8. 野見山 桂・西川博之・水川葉月・高口倅暉・Sainnoxoi, T.・横山 望・市居 修・滝口満喜・石塚 真由美・池中良徳・中山翔太・江口哲史・国末達也・田辺信介 (2017): 血清中メタボローム解析によるイエネコのPCBs毒性影響評価, 第26回環境化学討論会, 静岡, 6月, 講演要旨集, 2A-05.
 9. 麓 光央・後藤哲智・Tue, N. M.・中津 賞・野見山 桂・田辺信介・国末達也 (2017): リン酸エステル系難燃剤による野生鳥類の汚染－分析法の開発と種間比較－, 第26回環境化学討論会, 静岡, 6月, 講演要旨集, 2A-06. PO-316.
 10. 江頭佳奈・落合 真・Tue, N. M.・松田純佳・松石 隆・田島 木綿子・山田 格・磯部友彦・田辺信介・国末達也 (2017): 日本沿岸に座礁したハクジラ類における有機ハロゲン化合物汚染の経年変化, 第26回環境化学討論会, 静岡, 6月, 講演要旨集, 2A-09, PO-328.
 11. 粕谷 満知子・Tue, N. M.・後藤哲智・田辺信介・国末達也 (2017): 日本に棲息する野生生物のダイオキシン類汚染：化学分析と *in vitro*バイオアッセイの統合手法による毒性同定評価, 第26回環境化学討論会, 静岡, 6月, 講演要旨集, 2C-01, PO-310.
 12. 田上瑠美・Margiotta-Casaluci, L.・Sumpter, J.・野見山 桂・国末達也・田辺信介 (2017): 魚類におけるヒト用医薬品類の取り込みと代謝および情動関連行動との関連解析～オピオイド系鎮痛剤と抗うつ剤を例として～, 第26回環境化学討論会, 静岡, 6月, 講演要旨集, 2C-02, PO-311.

13. 野崎一茶・田上瑠美・野見山 桂・Annamalai, A.・Bulbule, K. A.・Parthasarathy, P.・Viet, P. H.・Tuyen, L. H.・Sudaryanto, A.・磯部友彦・国末達也・田辺信介 (2017): 医薬品類およびパーソナルケア製品由来物質 (PPCPs) によるアジア途上国の水環境汚染の実態解明と魚類への移行/残留性評価, 第26回環境化学討論会, 静岡, 6月, 講演要旨集, 3C-08, PO-324.
14. 家田曜世・橋本俊次・磯部友彦・高澤嘉一・田邊 潔・国末達也・田辺信介 (2017): 底質中環境汚染物質のノンターゲット分析—試料の網羅的解析と精密質量スペクトルデータベースの構築—, 第26回環境化学討論会, 静岡, 6月, 講演要旨集, P-099.
15. Nomiyama, K., Motogi, K., Goto, A., Ochiai, M., Tajima, Y., Yamada, T. K., Isobe, T., Kunisue, T. and Tanabe, S. (2017): Nontargeted comprehensive analysis for persistent organohalogen compounds in finless porpoises from Seto Inland Sea. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 42.
16. Yoshinouchi, Y., Hirano, M., Nakata, H., Nomiyama, K., Tanabe, S., Kim, E. Y. and Iwata, H. (2017): Structure-activity relationships of Bikal seal estrogen receptors and environmental pollutants. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 93.
17. Tue, N. M., Matsukami, H., Tuyen, L. H., Takahashi, S., Suzuki, G., Viet, P. H., Subramanian, A., Tanabe, S. and Kunisue, T. (2017): Hormone disrupting activities and causative compounds in river water from Asian developing countries. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 117.
18. Kondo, T., Ikenaka, Y., Nakayama, S. M. M., Kawai, Y. K., Mizukawa, H., Mitani, Y., Nomiyama, K., Tanabe, S. and Ishizuka, M. (2017): UDP-glucuronosyltransferase (UGT) among pinnipedia and other carnivores. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 128.
19. Takahashi, S., Tanikawa, M., Ramu, K., Imagawa, S., Saruwatari, T., Kubodera, T. and Tanabe, S. (2017): Spatio-temporal trend of contamination by persistent organic pollutants in deep-sea ecosystems around Japan. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 132.
20. Tanoue, R., Margiotta-Casaluci, L., Huerta, B., Runnalls, T. J., Nomiyama, K., Tanabe, S. and Sumpter, J. P. (2017): Uptake and metabolism of human pharmaceuticals by fish – a case study with opioid analgesic tramadol. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 139.
21. Kasuya, M., Tue, N. M., Goto, A., Tanabe, S. and Kunisue, T. (2017): *In vitro* bioassay and chemical analysis of dioxins in wild animals from Japan. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 198.
22. Kraisiri, K., Mizukawa, H., Nomiyama, K., Ikenaka, Y., Nakayama, S. M. M., Yokoyama, N., Sasaoka, K., Ichii, O., Takiguchi, M., Nishikawa, H., Tanaka, K., Takaguchi, K., Tanabe, S. and Ishizuka, M. (2017): Investigation of biochemical changes in cats exposed to organohalogen compounds. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July,

- Program Book, 216.
- 23. Tanaka, K., Nomiyama, K., Mizukawa, H., Takaguchi, K., Tanoue, R., Saengtienchai, A., Sainnoxoi, T., Yokoyama, N., Ichii, O., Takiguchi, M., Nakayama, S., Ikenaka, Y., Ishizuka, M., Iwata, H., Kunisue, T. and Tanabe, S. (2017): Identification for the biotransformation of BDE209 by *in vivo* toxicokinetic analysis in *Felis catus*. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 217.
 - 24. Takaguchi, K., Nomiyama, K., Nishikawa, H., Mizukawa, H., Tanoue, R., Yoshinouchi, Y., Yokoyama, N., Ichii, O., Takiguchi, M., Nakayama, S., Ikenaka, Y., Ishizuka, M., Iwata, H., Kunisue, T. and Tanabe, S. (2017): Effects of PCB-exposure on thyroid hormone homeostasis of dogs and cats. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 218.
 - 25. Egashira, K., Ochiai, M., Tue, N. M., Matsuda, A., Matsuishi, T., Tajima, Y., Yamada, T. K., Isobe, T., Tanabe, S. and Kunisue, T. (2017): Temporal trends of organohalogen compounds in toothed whales stranded at Japanese coastal waters. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 220.
 - 26. Fumoto, M., Tue, N. M., Goto, A., Nakatsu, S., Nomiyama, K., Tanabe, S. and Kunisue, T. (2017): Organophosphate flame retardants in wild birds – development of analytical methods and interspecies comparison. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 223.
 - 27. Goto A., Tue, N. M., Tanabe, S. and Kunisue, T. (2017): Origin of brominated dioxins in marine algae: Anthropogenic contaminants or natural compounds? 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 224.
 - 28. Nouda, C., Tomizawa, T., Ueda H., Takemori, H., Takahashi, S., Takasuga, T. and Tanabe, S. (2017): Short chain chlorinated paraffins in blubber of striped dolphins from Japan by GC/EFCNI-HRMS. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 226.
 - 29. Takemori, H., Takahashi, S., Takasuga, T. and Tanabe, S. (2017): Application of GC/TOFMS for comprehensive analysis of organohalogen compounds in finless porpoise. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 227.
 - 30. Takemori, H., Takahashi, S., Takasuga, T. and Tanabe, S. (2017): Screening of organohalogen compounds accumulated in marine mammals by using GC-HRTOFMS. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 228.
 - 31. Subramanian, A., Ramaswamy, B. R., Matsushita, T., Krishnamoorthi, V., Kunisue, T. and Tanabe, S. (2017): PCDD/Fs, DL-PCBs and PBDEs in the duplicate soils of Tiruchirappalli town, South India. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 246.
 - 32. Nozaki, K., Tanoue, R., Nomiyama, K., Subramanian, A., Bulbule, K. A., Parhasarathy, P., Viet, P. H.,

- Tuyen, L. H., Sudaryanto, A., Isobe, T., Kunisue, T. and Tanabe, S. (2017): Pharmaceutical and personal care products in freshwater fish from Asian developing countries. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 247.
33. Ogawa, Y., Tue, N. M., Goto, A., Subramanian, A., Parthasarathy, P., Bulbule, K. A., Tanabe, S. and Kunisue, T. (2017): Organohalogen compounds in serum of e-waste recycling workers in India. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 248.
34. Trung, N. T., Tue, N. M., Suzuki, G., Takahashi, S., Tanabe, S., Viet, P. H., Quan, D. P., Quang, P. D., Nga N. T. T., Tri, T. M., Huong, P. T. T., Dau, P. T., Thuy, P. C., Doan, D. V. and Tuyen, L. H. (2015): Toxicity identification and evaluation of AHR ligand activities in urban ambient particulate matter from Hanoi-Vietnam. 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan, June–July, Program Book, 256.
35. Mizukawa, H., Nomiyama, K., Nishikawa, H., Maehara, M., Takai, N., Yokoyama, N., Ichii, O., Takiguchi, M., Ikenaka, Y., Shouta, M. M., Takaguchi, K., Tanabe, S. and Ishizuka, M. (2017): *In vivo* exposure to PCBs in cats: Analysis of metabolic capacities and effects on the thyroid hormone homeostasis. 37th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2017), Vancouver, Canada, August, Program, M2-13.
36. Takaguchi, K., Nomiyama, K., Nagano, Y., Mizukawa, H., Nakatsu, S., Kunisue, T. and Tanabe, S. (2017): Tissue distribution of polychlorinated biphenyls and their metabolites in dog and cat. 37th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2017), Vancouver, Canada, August, Program, M2-14.
37. Kunisue, T., Egashira, K., Isobe, T., Nakayama, K., Tajima, Y., Yamada, T. K. and Tanabe, S. (2017): Temporal trends of brominated flame retardants and organochlorines in melon-headed whales stranded along the Japanese coastal waters: Utilization of samples and data stored in es-BANK and ChemTHEATRE. 37th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2017), Vancouver, Canada, August, Program, P65-E.
38. Tanaka, K., Nomiyama, K., Mizukawa, H., Takaguchi, K., Tanoue, R., Saengtienchai, A., Sainnoxoi, T., Yokoyama, N., Ichii, O., Takiguchi, M., Nakayama, S., Ikenaka, Y., Ishizuka, M., Kunisue, T. and Tanabe, S. (2017): Identification for the biotransformation of BDE209 by *in vivo* toxicokinetic analysis in *Felis catus*. 37th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2017), Vancouver, Canada, August, Program, P118-T.
39. Takahashi, S., Takayanagi, C., Tue, N. M., Suzuki, G., Tuyen, L. H., Viet, P. H., Tanabe, S. and Sakai, S. (2017): Toxicity identification evaluation of dioxin-related compounds in dust from end-of-life vehicle recycling sites in Northern Vietnam. 37th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2017), Vancouver, Canada, August, Program, P127-A.
40. Goto, A., Tue, N. M., Someya, M., Isobe, T., Takahashi, S., Tanabe, S. and Kunisue, T. (2017): Occurrence and potential sources of brominated/chlorinated dibenzo-*p*-dioxins in mussels from the Seto

- Inland Sea, Japan. 37th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2017), Vancouver, Canada, August, Program, P143-S.
- 41. Tue, N. M., Matsushita, T., Goto, A., Itai, T., Asante, K. A., Tanabe, S. and Kunisue, T. (2017): Distribution and composition of brominated/chlorinated dioxins and diphenyl ethers in surface soil from Agbogbloshie, Ghana. 37th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2017), Vancouver, Canada, August, Program, P144-S.
 - 42. Nomiyama, K., Yamamoto, Y., Mizukawa, H., Takiguchi, M., Eguchi, A., Nakayama, S., Ikenaka, Y., Ishizuka, M., Kunisue, T. and Tanabe, S. (2017): DecaBDE might be associated with inhibition of thyroid hormone levels in serum of Japanese cats. 37th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2017), Vancouver, Canada, August, Program, P179-A.
 - 43. Eguchi, A., Nomiyama, K., Sakurai, K., Trang, P., Viet, P., Takahashi, S., Iwata, H., Tanabe, S., Todaka, E. and Mori, C. (2017): Exploration of lead exposure related biological pathways in Vietnamese acid-lead battery recycling workers. Chemical Hazard Symposium (Joint Seminar on Environmental Chemistry and Toxicology), Sapporo, Japan, August, Abstract Book, 9.
 - 44. Tanoue, R., Margiotta-Casaluci, L., Huerta, B., Runnalls, T. J., Nomiyama, K., Kunisue T., Tanabe, S. and Sumpter, J. P. (2017): Uptake and metabolism of opioid analgesic tramadol in fish, and a linkage between internal concentrations and behavioural effects. Chemical Hazard Symposium (Joint Seminar on Environmental Chemistry and Toxicology), Sapporo, Japan, August, Abstract Book, 13.
 - 45. Kondo, T., Ikenaka, Y., Nakayama, S. M. M., Kawai, Y. K., Mizukawa, H., Mitani, Y., Nomiyama, K., Tanabe, S., Ishizuka, M. (2017): Evolution and enzymatic activity of Phase II drug metabolism enzymes in Carnivores. Chemical Hazard Symposium (Joint Seminar on Environmental Chemistry and Toxicology), Sapporo, Japan, August, Abstract Book, 14.
 - 46. Takaguchi, K., Nomiyama, K., Nishikawa, H., Mizukawa, H., Tanoue, R., Yoshinouchi, Y., Yokoyama, N., Ichii, O., Takiguchi, M., Nakayama, S., Ikenaka, Y., Ishizuka, M., Iwata, H., Kunisue, T. and Tanabe, S. (2017): PCB-induced disruption of thyroid hormone homeostasis in dogs and cats. Chemical Hazard Symposium (Joint Seminar on Environmental Chemistry and Toxicology), Sapporo, Japan, August, Abstract Book, 18.
 - 47. Kraisiri, K., Mizukawa, H., Ikenaka, Y., Nakayama, S. M. M., Nomiyama, K., Yokoyama, N., Sasaoka, K., Ichii, O., Takiguchi, M., Nishikawa, H., Tanaka, K., Takaguchi, K., Tanabe, S. and Ishizuka, M. (2017): Serum biochemical responses in cats exposed to organohalogen compounds. Chemical Hazard Symposium (Joint Seminar on Environmental Chemistry and Toxicology), Sapporo, Japan, August, Abstract Book, 28-29.
 - 48. Tanoue, R., Nozaki, K., Nomiyama, K., Subramanian, An., Bulbule, K. A., Parthasarathy, P., Sudaryanto, A., Isobe, T., Kunisue, T. and Tanabe, S. (2017): Occurrence of 72 pharmaceuticals and personal care products (PPCPs) in surface water from India, Indonesia, and Japan. The 7th Joint Forum of Environmental Sciences 2017, Matsuyama, Japan, September, Abstract Book, 13.
 - 49. Nozaki, K., Tanoue, R., Nomiyama, K., Subramanian, An., Bulbule, K. A., Parthasarathy, P., Viet, P. H., Tuyen, L. H., Sudaryanto, A., Isobe, T., Kunisue, T. and Tanabe, S. (2017): Contamination status and risk

- assessment of pharmaceuticals and personal care products (PPCPs) in freshwater fish from Asian developing countries. The 7th Joint Forum of Environmental Sciences 2017, Matsuyama, Japan, September, Abstract Book, 22.
50. Yoshinouchi, Y., Hirano, M., Nomiyama, K., Tanabe, S., Kim, E. Y. and Iwata, H. (2017): Molecular mechanisms underlying species differences in transactivation potencies of seal and dog estrogen receptors by OH-PCBs. The 7th Joint Forum of Environmental Sciences 2017, Matsuyama, Japan, September, Abstract Book, 24.
51. 小川雄平・Tue, N. M.・後藤哲智・Subramanian, An.・Parthasarathy, P.・Bulbule, K. A.・田辺信介・国末達也 (2017): インド・ベンガルールに存在するe-wasteリサイクル処理施設労働者の臭素系難燃剤汚染—作業環境改善による血中レベルの低減—, 第28回廃棄物資源循環学会研究発表会, 東京, 9月, 講演集, 493-494.
52. Kunisue, T., Egashira, K., Isobe, T., Nakayama, K., Tajima, Y., Yamada, T. K. and Tanabe, S. (2017): Persistent organic pollutants in melon-headed whales stranded along the Japanese coastal waters: temporal trend analyses using samples and data stored in *es-BANK* and ChemTHEATRE. The 14th International Symposium on Persistent Toxic Substances, Nagoya, Japan, September, Abstract Book 22.
53. Ochiai, M., Isobe, T., Tajima, Y., Nomiyama, K., Kunisue, T., Iwata, H. and Tanabe, S. (2017): Persistent organic pollutants (POPs) in dolphin species: Species and tissue-specific accumulation. 10th International Meeting of Asian Society of Conservation Medicine, Kuching, Sarawak, Malaysia, October, Programme Book, 47.
54. Kunisue, T., Matsushita, T., Tue, N.M., Goto, A., Itai, T., Asante, K.A. and Tanabe, S. (2017): Soil contamination by organohalogen compounds in the Agbogbloshie e-waste recycling site in Accra, Ghana. 4th International Conference on Final Sinks, Kyoto, October, Abstract Book 126-127.

一般向講演

1. 田辺信介 (2017): 特別講演「残留性有機汚染物質(POPs)による地球と生物の汚染」, 第35回精神医学講座担当者会議, 松山市, 8月, 報告書, 32-42.
2. 田辺信介 (2017): 安心・安全なしろあり防除 : クロルデンに学ぶ, 日本しろあり対策協会平成29年度しろあり防除施行講習会, 高松市, 10月.