

List of Publications

The following articles arranged in each research field were published by our faculty members during April 2020 to March 2021. Our department and/or research groups also published the following publications.

- 1) Annals of Human and Regional Geography, 43 (2021)

The exchanges of the publications will be gratefully acknowledged.

[Symbols]

- J** in Japanese
JE in Japanese with English abstract
° The first author
* Researchers belonging to the University of Tsukuba, not to Geoenvironmental Science Field
** Researchers not belonging to the University of Tsukuba
*** Undergraduate students, graduate students and auditors belonging to University of Tsukuba

[a] Human Geography

- Kubo, T. (2020): *Divided Tokyo- disparities in living conditions in the city center and the shrinking suburbs (AJG Library 11)*. Springer Singapore.
- _____ (2020): Book review: Yosuke, H. and Misa, I. Housing in post-growth society: Japan on the edge of social transition. *Housing Studies*, **36**, 152-153.
- _____ (2020): Challenges in enabling aging-in-place initiatives in aging and shrinking Japanese cities: a case of the Gifu suburbs. *Boletín De La Asociación De Geógrafos Españoles*, **87**. (with Komaki, N.** and Tanaka, K.**)
- Matsui, K. (2021): Overview of the Special Issue "Local Records of Natural Disaster Events: A Wealth of Spatiotemporal Information for Future Use". *Journal of Geography*, **130**, 143-146. (with Iwafune, M.***, Tamura, T.** and Todokoro, T.**)
- _____ (2021): Introduction to the Spatial Issue "Local Records of Natural Disaster Events: A Wealth of Spatiotemporal Information for Future Use". *Journal of Geography*, **130**, 147-151. (**J**, with Iwafune, M.***, Tamura, T.** and Todokoro, T.**)
- _____ (2020): How does World Heritage tell the history of the island? *Geography*, **66**, 31-39. (**J**, with Kawazoe, W.***)

[b] Regional Geography

- Kureha, M. (2020): Remarks of conducting geographical field work practice in the era of "with corona". *Geographical Space*, **13**(1), 113-128. (**J**, with Suzuki, S.***, Huang, L.***, Zhang, H.***, Sato, D.***, Yamashita, A. and Tsustumi, J.)
- _____ (2021): A discussion on the characteristics of mountain tourism in Japan. *International Journal of Tourism Science*, **14**, 23-29. (**J**)
- _____ (2021): Geographical fieldwork experiences in Europe focusing on regional research in German speaking countries. *Area Studies Tsukuba*, **42**, 81-89. (**J**)
- _____ (2021): The approach to tourism development in Bessyo hot-spring resort. *Annals of Human and Regional Geography*, **43**, 77-94. (**J**, with Hashizume, A.***, Asami, T.***, Zhou, Y.***, Tain, H.*** and Lu, Z.***)
- _____ (2021): Factors enabling older adults' continuous residency in Kamimuroga, Ueda-City: Analysis on food purchasing behavior and supply of retail and transportation services. *Annals of Human and Regional Geography*, **43**, 95-117. (**J**, with Usui, H.*** and Pan, X.***)
- _____ (2021): Functional role of nature schools for regional development in Toshin region, Nagano Prefecture. *Annals of Human and Regional Geography*, **43**, 257-277. (**J**, with Sato, D.***, Wang, H.***, Kurosawa, S.*** and Wakaume, S.***)
- _____ (2021): Tourism. In Japan Society of Ski Sciences ed., *Ski Sciences: 100-Year Truck and Perspectives*. Douwa Shoin, 269-291. (**J**)
- _____ (2021): Tourism in rural areas; Skiing and tourism. In Shirasaka, S. et al. eds., *Tourism, Leisure and Sport (Compendium of Local History)*. Asakura Shoten, 97-100; 142-144. (**J**)
- Tsutsumi, J. (2021): Recent Trends of Japanese Working Holiday Makers in Australia. *Journal of Australian Studies*, **34**, 77-88. (**JE**, with Matsubara, S.***)
- _____ (2020): Remarks of conducting geographical field work practice in the era of "With Corona". *Geographical Space*, **13**, 113-128. (**J**, with Suzuki, S.***, Huang, L.***, Zhang, H.***, Sato, D.***, Yamashita, A. and Kureha, M.)
- _____ (2021): Geographer without international student experience -Brief history of my academic

career as an Australian researcher-. *Area Studies Tsukuba*, **42**, 11-20. (J)

_____ (2020): Viewpoints and analytical approach for Australia as a whole region. In Kikuchi, T., eds. *Studying methods for a principle of geo-characteristics*, Ninomiya Shoten, Tokyo, 102-109. (J)

Yamashita, A. (2020): Changes in the central commercial area from the viewpoint of business composition and landscape formation in Korean local city: A case of Gongju City in Chungcheongnam-do. *Urban Geography of Japan*, **15**, 140-151. (J, with Yamamoto, T.**, Kaneko, J.**, Komaki, N.**, Lee, H.**, and Hashimoto, A.**)

_____ (2020): Contemporary modification of dedication fireworks in Kami-ina Area, Nagano Prefecture. *Geographical Space*, **13**, 43-57. (J, with Sakamoto, Y.*** and Watanabe, J.**)

_____ (2020): Remarks of conducting geographical field work practice in the era of “with corona”. *Geographical Space*, **13**, 113-128. (J, with Suzuki, S.***, Huang, L.***, Zhang, H.***, Sato, D.***, Kureha, M. and Tsutsumi, J.)

_____ (2020): A comparative analysis of regional characteristics in terms of land use of new and old central urban districts in Yangsan City, South Korea. *Theory and Applications of GIS*, **28**, 71-77. (JE, with Komaki, N.**, Kaneko, J.**, Yamamoto, T.**, Hashimoto, A.**, Lee, H.**, and Jeon, J**)

_____ (2021): Damages caused by sika deer (*Cervus Nippon*) and the countermeasures against them in Ueda City, Nagano Prefecture. *Annals of Human and Regional Geography*, **43**, 171-191. (J, with Hashimoto, M.***, Zhao, W.***, Ye, J.*** and Yang, M.***)

[c] Spatial Information Science

Kusaka, H. (2020): The State-of-the-Art of Urban Climate Change Modeling and Observations. *Earth Systems and Environment*, **4**, 631-646. DOI: /10.1007/s41748-020-00193-3 (with Hamdi, R.***, Doan, Q. V.*, Cai, P.**, He, H.**, Luo, G.**, Kuang, W.**, Caluwaerts, S.**, Duchêne, F.**, Van Schaeybroek, B.**, and Termonia, P.**)

_____ (2020): A structural self-organizing map (S-SOM) algorithm for weather typing. *Geoscientific Model Development*, **14**, 2097-2111. DOI: <https://doi.org/10.5194/gmd-2020-278> (with Doan, Q. V.*, Sato, T.*** and Chen, F.**)

_____ (2020): Commentaries on Top-Cited Boundary-Layer Meteorology Articles. *Boundary-Layer Meteorology*, **177**(2), 169-188. DOI: 10.1007/

s10546-020-00563-4. (with Garratt, J.***, Wilczak, J.**, Holtslag, A.**, Schmid, H. P.**, Grachev, A.**, Beljaars, A.**, Foken, T.**, Chen, F.**, Fairall, C.**, Hicks, B.**, Martilli, A.**, Masson, V.**, Mauder, M.**, Oncley, S.**, Rotach, M.**, and Tjernström, M.**)

_____ (2020): Quantitative assessment of the contribution of meteorological variables to the prediction of the number of heat stroke patients for Tokyo. *SOLA*, **16**, 104-108. DOI: 10.2151/sola.2020-018 (with Sato, T.*** and Hino, H.**)

Matsushita, B. (2021): Impacts of Urbanization on the Muthurajawela Marsh and Negombo Lagoon, Sri Lanka: Implications for Landscape Planning towards a Sustainable Urban Wetland Ecosystem. *Remote Sensing*, **13**, 316; doi.org/10.3390/rs13020316. (with Athukorala, D.***, Estoque, R. C.**, and Murayama, Y.**)

_____ (2020): Robust algorithm for estimating total suspended solids (TSS) in inland and nearshore coastal waters. *Remote Sensing of Environment*, **246**, 111768, 1-18. (with Balasubramaniana, S. V.**, Pahlevana, N.**, Smitha, B.**, Binding, C.**, Schalles, J.**, Loisel, H.**, Gurlin, D.**, Greb, S.**, Alikas, K.**, Randla, M.**, Moses, W.**, Nguyễn, H.**, Lehmann, M. K.**, O'Donnell, D.**, Ondrusek, M.**, Han, T.**, Fichot, C. G.**, Moore, T.**, and Boss, E.**)

_____ (2020): Long-term changes in water mineral concentrations and their influence on sediment water content in a shallow lake. *SN Applied Sciences*, **2**, 1319. <https://doi.org/10.1007/s42452-020-3119-z>. (with Fukushima, T.***, Komuro, S.**, Kitamura, T.**, and Nagahama, Y.**)

_____ (2020): A simple and effective method for removing residual reflected skylight in above-water remote sensing reflectance measurements. *ISPRS Journal of Photogrammetry and Remote Sensing*, **165**, 16-27. (with Jiang, D.*** and Yang, W.**)

_____ (2020): Seamless retrievals of chlorophyll-a from Sentinel-2 (MSI) and Sentinel-3 (OLCI) in inland and coastal waters: A machine-learning approach. *Remote Sensing of Environment*, **240**, 111604, 1-21. (with Pahlevan, N.**, Smith, B.**, Schalles, J.**, Binding, C.**, Cao, Z.**, Ma, R.**, Alikas, K.**, Kangro, K.**, Gurlin, D.**, Hà, N.**, Moses, W.**, Greb, S.**, Lehmann, M. K.**, Ondrusek, M.**, Oppelt, N.**, and Stumpf, R.**)

_____ (2020): Mapping submerged aquatic vegetation in Lake Akan from WorldView-2 image by SAVMA method. *Wetland Research*, **10**, 53-66.

- (**JE**, with Oyama, Y.^{***}, Yamada, H.^{**} and Fukushima, T.^{**})
- Morimoto, T. (2020): Analysis of Life Quality in a Tropical Mountain City Using a Multi-Criteria Geospatial Technique: A Case Study of Kandy City, Sri Lanka. *Sustainability*, **12**(7), 2918. DOI: 10.3390/su12072918 (with Dissanayake, D. M. S. L. B.^{***}, Murayama, Y.^{*}, Ranagalage, M.^{**} and Perera, E. N. C.^{**})
- _____ (2020): Multi-Decadal Forest-Cover Dynamics in the Tropical Realm: Past Trends and Policy Insights for Forest Conservation in Dry Zone of Sri Lanka. *Forests*, **11**(8), 836-859. DOI: 10.3390/fl1080836 (with Ranagalage, M.^{***}, Gunarathna, M. H. J. P.^{**}, Surasinghe, T. D.^{**}, Dissanayake, D. M. S. L. B.^{**}, Simwanda, M.^{**}, Murayama, Y.^{*}, Phiri, D.^{**}, Nyirenda, V. R.^{**}, Premakantha, K. T.^{**} and Sathurusinghe, A.^{**})
- _____ (2020): Scenario simulation studies of urban development using remote sensing and GIS: review. *Remote Sensing Applications-Society And Environment*, **22**, DOI: 10.1016/j.rsase.2021.100474 (with Wang, R.^{***} and Murayama, Y.^{*})

[d] Hydrologic Sciences

- Asanuma, J. (2020): Transpiration and evaporation of grassland using land surface modelling. *Hydrological Processes*, **20**(8), 1553-1569. <https://doi.org/10.1002/hyp.13792>. (with Ma, W.^{**}, Wei, Z.^{**} and Wang, P.^{**})
- Sugita, M. (2020): Wind as a main driver of spatial variability of surface energy balance over a shallow 10²-km² scale lake: Lake Kasumigaura, Japan, *Water Resources Research*, **56**, e2020WR027173. (with Ogawa, S.^{*} and Kawade, M.^{***})
- Tsujimura, M. (2020): Dynamics of transient tracers in the Satoyama spring -Impact of temperature change on the CFCs and SF₆ concentrations-. *Journal of Groundwater Hydrology*, **62**, 589-599. (**J**, with Asai, K.^{****} and Kato, Y.^{***})
- _____ (2020): Mean transit time and subsurface flow paths in a humid temperate headwater catchment with granitic bedrock. *Journal of Hydrology*, **587**, <https://doi.org/10.1016/j.jhydrol.2020.124942>. (with Jung, Y. Y.^{***}, Koh, D. C.^{**}, Lee, J.^{**}, Yun, S. T.^{**} and Lee, K. S.^{**})
- _____ (2020): Issues and Perspectives on Environmental Microbial Dynamics and Groundwater Flow System Research. *Journal of Groundwater Hydrology*, **62**, 429-446. (**J**, with Sugiyama, A.^{***} and Kato, K.^{**})
- _____ (2020): Different concepts and terminology of the residence time. *Journal of Japan Society of Hydrology and Water Resources*, **33**(4), 156-163. (**J**, with Yamanaka, T.[°])
- Yamanaka, T. (2020): *Tracing the Hydrological Cycle Using Environmental Isotopes*. Kyoritsu Pub., Tokyo, 242 pp. (**J**)
- _____ (2020): Characteristics and origins of non-meteoric-water components contained in hot springs in the central Japan. *Journal of Japanese Association of Hydrological Sciences*, **50**(2), 55-70. (**J**, with Adachi, I.^{****})
- _____ (2020): Different concepts and terminology of the residence time. *Journal of Japan Society of Hydrology and Water Resources*, **33**(4), 156-163. (**J**, with Tsujimura, M.)

[e] Atmospheric Science

- Tanaka, H. L. (2020): PUFF model prediction of volcanic ash plume dispersal for Sakurajima using MP radar observation, *Atmosphere, MDPI*, 2020, **11**(11), 1240 <https://doi.org/10.3390/atmos11111240>. (with Nakamichi, H.^{**} and Iguchi, M.^{**})
- _____ (2020): 3D modal variability and energy transformations on the sphere. Modal view of atmospheric variability. *Mathematics of Planet Earth*, **8**, 121-184. Springer, Cham. doi.org/10.1007/978-3-030-60963-4_4 Žagar N., Tribbia J. (eds), (with Žagar N.^{**})
- _____ (2020): Generalization of baroclinic instability and Rossby wave saturation theory. Modal view of atmospheric variability. *Mathematics of Planet Earth*, **8**, 185-264. Springer, Cham. doi.org/10.1007/978-3-030-60963-4_5 Žagar N., Tribbia J. (eds).
- _____ (2020): Applications to predictions and climate studies. Modal view of atmospheric variability. *Mathematics of Planet Earth*, **8**, 265-318. Springer, Cham. doi.org/10.1007/978-3-030-60963-4_6 Žagar N., Tribbia J. (eds).
- _____ (2020): A theoretical analysis of the atmospheric gravity wave that connects the thermosphere and the troposphere. *TGS*, **16**, 1-14. <http://doi.org/10.15068/00162379>, (with Hagiwara, M.^{****})
- _____ (2021): Analysis of vorticity budget for a developing extraordinary Arctic cyclone in August 2016. *SOLA*, **17**, 117-120. <https://doi.org/10.2151/sola.2021-020>, (with Ishiyama, R.^{****})
- Ueda, H. (2020): Impacts of seasonal transitions

- of ENSO on atmospheric river activity over East Asia. *J. Meteor. Soc. Japan*, **98**, 655-658. doi:10.2151/jmsj.2020-027. (with Naoi, M.^{****}, Kamae, Y.^{*} and Mei, W.^{**})
- _____ (2020): Trans-basin interactions among the Indian, Pacific, and Atlantic Oceans. *extended abstract, Workshop for the long-term prediction*. (J, with Tanji, N.^{****})
- _____ (2020): Genesis of the upper tropospheric anticyclone caused by tropical-extratropical interactions. *extended abstract, Workshop for the unusual climate*. (J, with Kuramochi, M.^{***}, Takaya, K.^{**}, Takaya, Y.^{**}, Asano, S.^{***} and Maeda, S.^{**})
- _____ (2020): Anomalous warm winter 2019/2020 over East Asia associated with trans-basin interactions over the Indo-Pacific domain. *extended abstract, Workshop for the unusual climate*. (J, with Kuramochi, M.^{****}, Kobayashi, C.^{**}, Kamae, Y.^{*} and Takaya, K.^{**})
- Ueno, K. (2020): Solar ultraviolet (UV) radiation as a potential health hazard in the Himalaya. *Journal of Tourism and Himalayan Adventures*, **2**, 105-118. ISSN: 2717-5030 (Print) 2738-9642 (Online) (with Sunil, A.^{****})
- _____ (2020): Heavy winter precipitation events with extratropical cyclone diagnosed by GPM products and trajectory analysis. *J. Meteor. Soc. Japan*, **99**, 473-496. (with Sawada, M.[○])
- _____ (2020): Education for sustainable mountain development: Preliminary insights from a web-based survey of opportunities. *Mountain Research and Development*, **40**, R1-R8. (with Balsiger, J.^{**} and Price, M. F.^{**})
- Matsueda, M. (2020): Sub-seasonal Forecast Skill for Weekly Mean Atmospheric Variability over the Northern Hemisphere in Winter and its Relationship to Mid-Latitude Teleconnections. *Geophys. Res. Lett.* doi:10.1029/2020GL088508. (with Yamagami, A.[○])

[f] Geomorphology

- Hattanji, T. (2020): Geomorphological features of shallow landslides in hillslopes underlain by mixed rock of sandstone and mudstone: A case of heavy rainfall on August 20, 2014 in Hiroshima City, Japan. *Tsukuba Geoenvironmental Sciences*, **16**, 15-25. (with Yoshihara, T.^{****}, Doshida, S.^{**}, Tanaka, Y.^{**} and Furuichi, T.^{**})
- Ikeda, A. (2020): Mountain Formation. In Matsuoka, N., Izumiyama, S., Naramoto, M. and Matsumoto, K. eds. *Mountain Science*, Kokon Shoin, Tokyo, 1-8.

- (J, with Yoshida, K.^{***}, Saito, T.^{**} and Tokiwa, T.^{**})
- _____ (2020): Mountain Hydrology. In Matsuoka, N., Izumiyama, S., Naramoto, M. and Matsumoto, K. eds. *Mountain Science*, Kokon Shoin, Tokyo, 16-20. (J, with Yamakawa, Y.^{**} and Yamanaka, T.)
- _____ (2020): Mountain Geomorphology. In Matsuoka, N., Izumiyama, S., Naramoto, M. and Matsumoto, K. eds. *Mountain Science*, Kokon Shoin, Tokyo, 21-27. (J, with Matsuoka, N.)
- _____ (2020): Relationship formation of frozen soil and occurrence of debris flows at Osawa-kuzure Mt.Fuji. *Chubu Shinrin Kenkyu*, **68**, 93-94. (J, with Yamamoto, K.^{**}, Imaizumi, F.^{**} and Ohsaka, O.^{**})
- Matsuoka, N. (2020): Interpreting rockfall activity on an outcrop-talus slope system in the southern Japanese Alps using an integrated survey approach. *Geomorphology*, **371**, 107456. (with Imaizumi, F.^{**}, Trappmann, D.^{**}, Ballesteros Cánovas, J. A.^{**}, Yasue, K.^{**} and Stoffel, M.^{**})
- _____ (2020): Geomorphological interpretations of marathon courses. *Monthly Geography*, **65**(8), 35-42. (J)
- _____ eds. (2020): *Mountain Science*, Kokon Shoin, Tokyo, 120p. (J, with Izumiyama, S.^{**}, Naramoto, M.^{**} and Matsumoto, K.^{**})

[g] Environmental Dynamics

- Onda, Y. (2020): in Environmental Transfer of Radionuclides in Japan following the Accident at the Fukushima Daiichi Nuclear Power Report of Working Group 4 (MODARIA II), *IAEA TECDOC* No. 1927.
- _____ (2021): Stream Temperature Response to 50% Strip-Thinning in a Temperate Forested Headwater Catchment. *Water*, **13**(8), 1022. 10.3390/w13081022. (with Oanh, Q. D.[○], Gomi, T.^{**}, Moore, R. D.^{**}, Chiu, C.^{**}, Hiraoka, M.^{**} and Dung, X. B.^{**})
- _____ (2021): Impacts of freeze-thaw processes and subsequent runoff on ¹³⁷Cs washoff from bare land in Fukushima. *Science of The Total Environment*, **769**, 144706. 10.1016/j.scitotenv.2020.144706 (with Igarashi, Y.[○], Wakiyama, Y.^{**}, Yoshimura, K.^{**}, Kato, H., Kozuka, S.^{***} and Manome, R.^{**})
- _____ (2020): Dataset on the 6-year radiocesium transport in rivers near Fukushima Daiichi nuclear power plant. *Scientific Data*, **7**, 433. 10.1038/s41597-020-00774-x. (with Taniguchi, K.[○], Smith, H. G.^{**}, Blake, W.^{**}, Yoshimura, K.^{**}, Yamashiki, Y.^{**} and Kuramoto, T.^{**})
- _____ (2020): Radionuclides from the Fukushima

- Daiichi Nuclear Power Plant in terrestrial systems. *Nature Reviews Earth & Environment*, **1**, 644-660. s43017-020-0099-x. (with Taniguchi, K. *, Yoshimura, K. **, Kato, H., Takahashi, J., Wakiyama, Y. **, Coppin, F. ** and Smith, H. **)
- _____ (2020): Spatial variation and radiocesium flux of litterfall in hardwood-pine mixed forest and cedar plantations based on long-term monitoring data. *Journal of Radioanalytical and Nuclear Chemistry* **326**, 1491–1504. 10.1007/s10967-020-07433-w. (with Hisadome, K. ***, Loffredo, N. **, Kawamori, A. ** and Kato, H.)
- _____ (2020): Rain-induced bioecological resuspension of radiocaesium in a polluted forest in Japan. *Scientific Reports*, **10**, 15330. 10.1038/s41598-020-72029-z. (with Kita, K. **, Igarashi, Y. **, Kinase, T. **, Hayashi, N. **, Ishizuka, M. **, Adachi, K. **, Koitabashi, M. ** and Sekiyama, T. **)
- _____ (2020): Soil and vegetation sampling during the early stage of Fukushima Daiichi Nuclear Power Plant accident and the implication for the emergency preparedness for agricultural systems. *Journal of Environmental Radioactivity*, **223-224**, 106373. DOI:10.1016/j.jenvrad.2020.106373. (with Sweek, L. **, Shinano, T. **, Dercon, G. **, Lee Zhi Yi, A. ** and Kato, H.)
- _____ (2020): Differences in leaching characteristics of dissolved radiocaesium and potassium from the litter layer of Japanese cedar and broadleaf forests in Fukushima, Japan. *Journal of Environmental Radioactivity*, **223-224**, 106417. DOI:10.1016/j.jenvrad.2020.106417. (with Yasutaka, T. ** and Kurihara, M. **)
- _____ (2020): Dynamics of radionuclide activity concentrations in weed leaves, crops and of air dose rate after the Fukushima Daiichi Nuclear Power Plant accident. *Journal of Environmental Radioactivity*, **222**, 106347. DOI: 10.1016/j.jenvrad.2020.106347. (with Fesenko, S. ***, Shinano, T. ** and Dercon, G. **)
- _____ (2020): Simulating dissolved ⁹⁰Sr concentrations within a small catchment in the Chernobyl Exclusion Zone using a parametric hydrochemical model. *Scientific Reports*, **10**, 9898. DOI: 10.1038/s41598-020-66623-4. (with Igarashi, Y. ***, Smith, J. **, Obrizan, S. **, Kirieiev, S. **, Demianovych, V. **, Laptev, G. **, Bugai, D. **, Lisovyi, H. **, Konoplev, A. **, Zheleznyak, M. **, Wakiyama, Y. ** and Nanba, K. **)
- _____ (2020): Impact of wildfire on ¹³⁷Cs and ⁹⁰Sr wash-off in heavily contaminated forests in the Chernobyl exclusion zone. *Environmental Pollution*, **259**, 113764. DOI: 10.1016/j.envpol.2019.113764. (with Igarashi, Y. ***, Wakiyama, Y. **, Konoplev, A. **, Zheleznyak, M. **, Lisovyi, H. **, Laptev, G. **, Damiyanovich, V. **, Samoilov, D. **, Nanba, K. ** and Kirieiev, S. **)
- _____ (2020): Effect of forest thinning on hydrologic nitrate exports from a N-saturated plantation. *Journal of Forestry Research*, **31**, 387-395. DOI: 10.1007/s11676-018-0784-5 (with Chiwa, M. ***, Haga, H. **, Kasahara, T. **, Tateishi, M. **, Saito, T. **, Kato, H. ** and Otsuki, K. **)
- _____ (2020): Sampling, analysis and modelling technologies for large-scale nuclear emergencies affecting food and agriculture. *Journal of Environmental Radioactivity*, **218**, 106174. DOI: 10.1016/j.jenvrad.2020.106174. (with Dercon, G. ***, Blackburn, C. **, Shinano, T. **, Sweek, L. **, Lee Zhi Yi, A. ** and Fesenko, S. **)
- _____ (2020): Impacts of direct release and river discharge on oceanic ¹³⁷Cs derived from the Fukushima Dai-ichi Nuclear Power Plant accident. *Journal of Environmental Radioactivity*, **214-215**, 106173. DOI: 10.1016/j.jenvrad.2020.106173. (with Tsumune, D. **, Tsubono, T. **, Misumi, K. **, Tateda, Y. **, Toyoda, Y. ** and Aoyama, M. *)
- Kato, H. (2020): Vertical distributions of radiocesium in Japanese forest soils following the Fukushima Daiichi Nuclear Power Plant accident: A meta-analysis. *Journal of Environmental Radioactivity*, **225**, 106422. (with Imamura, N. ***, Komatsu, M. **, Hashimoto, S. **, Fujii, K. **, Thiry, Y. ** and Shaw, G. **)
- Takahashi, J. (2021): Calculations for ambient dose equivalent rates in nine forests in eastern Japan from ¹³⁴Cs and ¹³⁷Cs radioactivity measurements. *Journal of Environmental Radioactivity*, **226**, 106456. (with Malins, A. **, Imamura, N. **, Niizato, T. **, Kim, M. **, Sakuma, K. **, Shinomiya, Y. **, Miura, S. **, Machida, M. ** and Carlo, M. **)
- _____ (2021): Monitoring of the vertical distribution of radiocesium in soils: Toward the next decade. *Isotope News*, **773**, 7-10. (J)