Annual Report of Kumamoto Prefectural Institute of Public-Health and Environmental Science No.52 2022 Contents (Research)

Regular Articles

 A survey of Drug-Resistant Bacteria in Intestine of Community People in Kumamoto Prefecture (2)

Rika MAEDA^{*1}, Seiya HARADA, Atsumi OBARA, Misato MORI, Ichiro IZU, Shunsuke YAHIRO^{*2}, Eisuke TOKUOKA

^{*1} Department of Health, Welfare and the Environment, Yatsushiro Area Promotion Bureau, Southern Kumamoto Administrative Headquarters

*2 Public Sanitation and Pharmaceutical Division

 Results of COVID-19 active surveillance from 2020 to 2023 and phylogenetic analysis of epidemic strains using full genomes in Kumamoto Prefecture

Yukie INOUE, Rika MAEDA^{*1}, Atsumi OBARA, Misato MORI, Sumika RYU, Ichiro IZU, Takaaki HIRANO, Seiya HARADA, Mami SATO^{*2}, Shoichiro GEJIMA^{*3}, Takashi SAKAI^{*4}, Kazutoshi MATSUMOTO^{*5}, Shunsuke YAHIRO^{*4}, Eisuke TOKUOKA

- ^{*1} Department of Health, Welfare and the Environment, Yatsushiro Area Promotion Bureau, Southern Kumamoto Administrative Headquarters
- ^{*2} Formerly of Department of Microbiology, Kumamoto Prefectural Institute of Public-Health and Environmental Science
- *3 Public Health Emergencies Management Division
- ^{*4} Public Sanitation and Pharmaceutical Division
- *5 Meat Inspection Office
- Study of simultaneous analysis for residual pesticides in livestock and marine products by LC-MS/MS

Kazuma YAGI*1, Ai AOKI, Tomoyuki SANADA*2, Masahide KOBAYASHI*3

*1 Kumamoto Prefectural Mental Care Center

^{*2} Department of Health, Welfare and the Environment, Amakusa Kumamoto Administrative Headquarters

*3 Meat Safety Inspection Office

- 4) Quality of spring water in Yamaga City Masaaki HIROHATA, Tomoyuki SANADA*, Taisei SERIKAWA and Tatsuya MATSUZAKI * Department of Health, Welfare and the Environment, Amakusa Kumamoto Administrative Headquarters
- 5) Groundwater quality in the northwestern part of Misato Town, Shimomashiki District Masaaki Hirohata, Tomoyuki SANADA*, Taisei SERIKAWA, Tatsuya MATSUZAKI * Department of Health, Welfare and the Environment, Amakusa Kumamoto Administrative Headquarters
- 6) Nitrate nitrogen concentration in groundwater in the Arao area (first report)
 Changes in groundwater quality over the past 20 years -

Tatsuya MATSUZAKI, Daisuke KOHARA^{*1}, Akio OHARA, Satoshi TOYONAGA, Seiki KINO^{*2} and Masaaki HIROHATA

- ^{*1} Environmental Conservation Division, Environmental Affairs Bureau, Department of the Environment and Residential Life
- ^{*2} Recycling and Sustainability Promotion Division, Environmental Affairs Bureau, Department of the Environment and Residential Life

Reports

- Epidemiological Surveillance of Infection Diseases in Kumamoto Prefecture (2022)
 Eisuke TOKUOKA, Yukie INOUE, Rika MAEDA^{*1}, Seiya HARADA, Takaaki HIRANO, Ichiro IZU, Misato MORI and Shunsuke YAHIRO^{*2}
 - ^{*1} Department of Health, Welfare and the Environment, Yatsushiro Area Promotion Bureau, Southern Kumamoto Administrative Headquarters
 - ^{*2} Public Hygiene and Pharmaceutical Division, Health Bureau, Department of Health and Welfare
- 2) Surveillance of Japanese Encephalitis Virus Infection in Kumamoto Prefecture (2022) Ichirou IZU and Eisuke TOKUOKA
- Examination of Allergic Substance in Foods (Apr. 2006 Mar. 2022) Yuko NAKAHARA
- Examination of Analysis Methods for Pharmaceutical Ingredients (Melatonin and 5-HTP) Eriko SHIMA, Kazuma YAGI*, Yuko NAKAHARA
 * Kumamoto Prefectural Mental Care Center
- 5) Radioactivity Survey Data in Kumamoto Prefecture (2022) Kazunori UENO, Hiromichi KITAOKA, Satoshi TOYONAGA, Housei TSUNODA^{*1} and Seiki KINO^{*2}
 - ^{*1} Department of Health, Welfare and the Environment, Kamimashiki Area Development Bureau, Central Kumamoto Administrative Headquarters
 - ^{*2} Recycling and Sustainability Promotion Division, Environmental Affairs Bureau, Department of the Environment and Residential Life
- 6) Long-Term Monitoring of Acid Deposition in Kumamoto Prefecture(2022) Kazunori UENO, Satoshi TOYONAGA
- 7) Environmental assessment of rivers from the biological habitat status (Yatsushiro Hitoyoshi area) (2022) Ai SAWADA