

Differential mobility spectrometry classification of bacteria

Hokkinen, L., Kesti, A., Lepomäki, J., Anttalainen, O., Kontunen, A., Karjalainen, M., Aittoniemi, J., Vuento, R., Lehtimäki, T., Oksala, N. & Roine, A., 1 Mar 2020, In : *FUTURE MICROBIOLOGY*. 15, 4, p. 233-240 8 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Formation and use of biogenic jarosite carrier for high-rate iron oxidising biofilms

Ahoranta, S., Hulkkonen, H., Salminen, T., Kuula, P., Puhakka, J. A. & Lakaniemi, A. M., 2020, In : *Research in Microbiology*. 9 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Spatial variations in bacterial and archaeal abundance and community composition in boreal forest pine mycorrhizospheres

Rinta-Kanto, J. M. & Timonen, S., 2020, In : *EUROPEAN JOURNAL OF SOIL BIOLOGY*. 97, 7 p., 103168.

Research output: Contribution to journal › Article › Scientific › peer-review

Estimating RNA numbers in single cells by RNA fluorescent tagging and flow cytometry

Bahrudeen, M. N. M., Chauhan, V., Palma, C. S. D., Oliveira, S. M. D., Kandavalli, V. K. & Ribeiro, A. S., 22 Oct 2019, In : *Journal of Microbiological Methods*. 166, 105745.

Research output: Contribution to journal › Article › Scientific › peer-review

Similar temperature sensitivity of soil mineral-associated organic carbon regardless of age

Karhu, K., Hilasvuori, E., Järvenpää, M., Arppe, L., Christensen, B. T., Fritze, H., Kulmala, L., Oinonen, M., Pitkänen, J. M., Vanhala, P., Heinonsalo, J. & Liski, J., 1 Sep 2019, In : *Soil Biology and Biochemistry*. 136, 107527.

Research output: Contribution to journal › Article › Scientific › peer-review

Vertical stratification of bacteria and archaea in sediments of a small boreal humic lake

Rissanen, A. J., Peura, S., Mpamah, P. A., Taipale, S., Tirola, M., Biasi, C., Mäki, A. & Nykänen, H., 1 Mar 2019, In : *FEMS Microbiology Letters*. 366, 5

Research output: Contribution to journal › Article › Scientific › peer-review

Archaea are prominent members of the prokaryotic communities colonizing common forest mushrooms

Rinta-Kanto, J. M., Pehkonen, K., Sinkko, H., Tamminen, M. V. & Timonen, S., 2018, In : *Canadian Journal of Microbiology*. 64, 10, p. 716-726 11 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Crawling-induced floor dust resuspension affects the microbiota of the infant breathing zone

Hyytiäinen, H. K., Jayaprakash, B., Kirjavainen, P. V., Saari, S. E., Holopainen, R., Keskinen, J., Hämeri, K., Hyvärinen, A., Boor, B. E. & Täubel, M., 2018, In : *Microbiome*. 6, 1, 25.

Research output: Contribution to journal › Article › Scientific › peer-review

Microbiological, chemical and sensory spoilage analysis of raw Atlantic cod (*Gadus morhua*) stored under modified atmospheres

Kuuliala, L., Al Hage, Y., Ioannidis, A. G., Sader, M., Kerckhof, F. M., Vanderroost, M., Boon, N., De Baets, B., De Meulenaer, B., Ragaert, P. & Devlieghere, F., 2018, In : *Food Microbiology*. 70, p. 232-244 13 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Resistant ammonia-oxidizing archaea endure, but adapting ammonia-oxidizing bacteria thrive in boreal lake sediments receiving nutrient-rich effluents

Aalto, S. L., Saarenheimo, J., Mikkonen, A., Rissanen, A. J. & Tirola, M., 2018, In : *Environmental Microbiology*. 20, 10, p. 3616-3628 13 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Twin-layer biosensor for real-time monitoring of alkane metabolism

Lehtinen, T., Santala, V. & Santala, S., 1 Mar 2017, In : *FEMS Microbiology Letters*. 364, 6, fnx053.

Research output: Contribution to journal › Article › Scientific › peer-review

Echovirus 1 internalization negatively regulates epidermal growth factor receptor downregulation

Huttunen, M., Turkki, P., Mäki, A., Paavolainen, L., Ruusuvuori, P. & Marjomäki, V., 2017, In : Cellular Microbiology. 19, 3, e12671.

Research output: Contribution to journal › Article › Scientific › peer-review

Bioluminescence-based system for rapid detection of natural transformation

Santala, V., Karp, M. & Santala, S., 1 Jul 2016, In : FEMS Microbiology Letters. 363, 13, fnw125.

Research output: Contribution to journal › Article › Scientific › peer-review

Robustness of the process of nucleoid exclusion of protein aggregates in Escherichia coli

Neeli-Venkata, R., Martikainen, A., Gupta, A., Goncalves, N., Fonseca, J. & Ribeiro, A. S., 2016, In : Journal of Bacteriology. 198, 6, p. 898-906 9 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Changes in global gene expression of Vibrio parahaemolyticus induced by cold- and heat-stress

Urmersbach, S., Aho, T., Alter, T., Hassan, S. S., Autio, R. & Huehn, S., 23 Oct 2015, In : BMC Microbiology. 15, 1, 229.

Research output: Contribution to journal › Article › Scientific › peer-review

Bioluminescent whole-cell reporter gene assays as screening tools in the identification of antimicrobial natural product extracts

Nybond, S., Karp, M., Yrjönen, T. & Tammela, P., 1 Jul 2015, In : Journal of Microbiological Methods. 114, p. 54-56 3 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Method with high-throughput screening potential for antioxidative substances using Escherichia coli biosensor katG':lux

Tienaho, J., Sarjala, T., Franzén, R. & Karp, M., 2015, In : Journal of Microbiological Methods. 118, p. 78-80 3 p., 4723.

Research output: Contribution to journal › Article › Scientific › peer-review

Positive association between biotin and the abundance of root-feeding nematodes

Sinkkonen, A., Laitinen, O. H., Leppiniemi, J., Vauramo, S., Hytönen, V. P. & Setälä, H., 2014, In : Soil Biology and Biochemistry. 73, p. 93-95 3 p.

Research output: Contribution to journal › Article › Scientific › peer-review

The haloarchaeal MCM proteins: Bioinformatic analysis and targeted mutagenesis of the β7-β8 and β9-β10 hairpin loops and conserved zinc binding domain cysteines

Kristensen, T. P., Cherian, R. M., Gray, F. C. & MacNeill, S. A., 2014, In : Frontiers in Microbiology. 5, MAR, 123.

Research output: Contribution to journal › Article › Scientific › peer-review

Development of microbial populations in the anaerobic hydrolysis of grass silage for methane production

Wang, H., Vuorela, M., Keränen, A. L., Lehtinen, T. M., Lensu, A., Lehtomäki, A. & Rintala, J., Jun 2010, In : FEMS Microbiology Ecology. 72, 3, p. 496-506 11 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Enumeration of methanotrophic bacteria in the cover soil of an aged municipal landfill

Kallistova, A. Y., Kevbrina, M. V., Nekrasova, V. K., Shnyrev, N. A., Einola, J. K. M., Kulomaa, M. S., Rintala, J. A. & Nozhevnikova, A. N., Nov 2007, In : Microbial Ecology. 54, 4, p. 637-645 9 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Thermophilic anaerobic treatment of industrial process waters and wastewaters

Rintala, J. A., 1997, In : Microbiology. 66, 5, p. 583-587 5 p.

Research output: Contribution to journal › Article › Scientific › peer-review

A two-stage thermophilic anaerobic process for the treatment of source sorted household solid waste

Rintala, J. A. & Ahring, B. K., Oct 1994, In : Biotechnology Letters. 16, 10, p. 1097-1102 6 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Thermophilic anaerobic digestion of source-sorted household solid waste: the effects of enzyme additions

Rintala, J. A. & Ahring, B. K., Feb 1994, In : *Applied Microbiology and Biotechnology*. 40, 6, p. 916-919 4 p.

Research output: Contribution to journal › Article › Scientific › peer-review