

#### **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