

### **Cellprofiler is a fit tool for droplet digital image analysis**

**Bartkova, Simona; Vendelin, Marko; Pata, Pille; Scheler, Ott** 23rd International Conference on Miniaturized Systems for Chemistry and Life Sciences (MicroTAS 2019) Basel, Switzerland, 27 – 31 October 2019 2020 / art. 163704, p. 1644-1645  
<https://doi.org/10.1101/811869>

### **Cyclohexanohemicucurbit[8]uril inclusion complexes with heterocycles and selective extraction of sulfur compounds from water**

**Shalima, Tatsiana; Mishra, Kamini Atindrakumar; Kaabel, Sandra; Ustrnul, Lukas; Bartkova, Simona; Tõnsuaadu, Kaia; Heinmaa, Ivo; Aav, Riina** Frontiers in chemistry 2021 / art. 786746, 8 p. : ill <https://doi.org/10.3389/fchem.2021.786746> [Journal metrics](#) [Article at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Droplet image analysis with user-friendly freeware CellProfiler**

**Bartkova, Simona; Vendelin, Marko; Sanka, Immanuel; Pata, Pille; Scheler, Ott** Analytical methods 2020 / p. 2287-2294 : ill <https://doi.org/10.1039/D0AY00031K> [Journal metrics](#) [Article at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Droplet-based methods for tackling antimicrobial resistance**

Ruszczyk, Artur; **Bartkova, Simona**; Zapotoczna, Marta; **Scheler, Ott**; Garstecki, Piotr Current opinion in biotechnology 2022 / art. 102755 <https://doi.org/10.1016/j.copbio.2022.102755> [Journal metrics](#) [Article at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Droplet-based technology for studying the phenotypic effect of microplastics on antimicrobial resistance**

**Bartkova, Simona; Sulp, Fenella Lucia; Sanka, Immanuel; Pata, Pille; Scheler, Ott** Proceedings 2023 / art. 41  
<https://doi.org/10.3390/proceedings2023092041>

### **A Guide to biodetection in droplets**

**Bartkova, Simona**; Zapotoczna, Marta; **Sanka, Immanuel; Scheler, Ott** Analytical chemistry 2024 / p. 9745-9755  
<https://doi.org/10.1021/acs.analchem.3c04282>

### **High-throughput bacterial aggregation analysis in droplets**

**Saar-Abroi, Merili; Lindpere, Karoliine; Olman, Triini; Sulp, Fenella Lucia; Sanka, Immanuel; Bartkova, Simona; Scheler, Ott** bioRxiv 2024 / 6 p. <https://doi.org/10.1101/2024.09.24.613170>

### **High-throughput pipeline for polydisperse droplet analysis**

**Sanka, Immanuel; Bartkova, Simona; Pata, Pille; Smolander, Olli-Pekka; Scheler, Ott** MicroTAS 2021 - 25th International Conference on Miniaturized Systems for Chemistry and Life Sciences 2021 / p. 563-564  
[https://microtas2021.org/program/MicroTAS2021\\_Program.pdf](https://microtas2021.org/program/MicroTAS2021_Program.pdf)

### **Investigation of different free image analysis software for high-throughput droplet detection**

**Sanka, Immanuel; Bartkova, Simona; Pata, Pille; Smolander, Olli-Pekka; Scheler, Ott** ACS omega 2021 / p. 22625-22634 : ill <https://doi.org/10.1021/acsomega.1c02664> [Journal metrics](#) [Article at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Methods for studying microbial acid stress responses: from molecules to populations**

Atasoy, M.; **Bartkova, Simona**; Cetecioglu-Gürol, Z.; Mira, N.; O'Byrne, C.; Perez-Rodriguez, F.; Possas, A.; **Scheler, Ott**; Sedlakova-Kadukova, J.; Sinčák, M.; **Steiger, M.**; Ziv, C.; Lund, P. A. FEMS microbiology reviews 2024 / art. fue015  
<https://doi.org/10.1093/femsre/fuae015>

### **Replacement of milk fat by rapeseed oil stabilised emulsion in commercial yogurt**

Kasprzak, Mirosław M.; Sady, Marek; Kruk, Joanna; **Bartkova, Simona; Sanka, Immanuel; Scheler, Ott**; Jamroz, Ewelina; Berski, Wiktor; Onacik-Guer, Sylwia; Zajac, Marzena; Domagala, Jacek; Ptasznik, Stanisław; Okpala, Charles Odilichukwu R.; Tkaczewska, Joanna PeerJ 2023 / art. e16441 <https://doi.org/10.7717/peerj.16441> [Journal metrics](#) [Article at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **TalTechi teadlaste juhend aitam laboris veetilkade abil suuri avastusi teha**

**Bartkova, Simona** postimees.ee 2024 [TalTechi teadlaste juhend aitam laboris veetilkade abil suuri avastusi teha](#)

### **Techniques used for analyzing microplastics, antimicrobial resistance and microbial community composition : a mini-review**

**Bartkova, Simona; Kahru, Anne; Heinlaan, Margit; Scheler, Ott** Frontiers in microbiology 2021 / art. 603967  
<https://doi.org/10.3389/fmicb.2021.603967> [Journal metrics](#) [Article at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **User-friendly analysis of droplet array images**

**Sanka, Immanuel; Bartkova, Simona; Pata, Pille**; Ernits, Mart; Meinberg, Monika Merje; Agu, Natali; Aruoja, Villem; **Smolander, Olli-Pekka; Scheler, Ott** Analytica chimica acta 2023 / art. 341397 <https://doi.org/10.1016/j.aca.2023.341397> [Journal metrics](#) [Article at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)