

## Veröffentlichungen (Scopus ID: 6603577866)

S. Dyksma & C. Gallert (2022) Syntrophic *Bacteria* and *Archaea* During Anaerobic Digestion of Propionate in Wastewater Sludge. *Environmental Microbiology Reports*

J.T. Jeske, C. Gallert (2022) Microbiome Analysis via OTU and ASV-Based Pipelines—A Comparative Interpretation of Ecological Data in WWTP Systems. *Bioengineering*, 9, 146. <https://doi.org/10.3390/bioengineering9040146> ([full text](#)).

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R. Triebkorn, L. Blaha, C. Gallert et al. (2019) Freshwater ecosystems profit from activated carbon-based wastewater treatment across various levels of biological organization in a short timeframe. *Environmental Sciences Europe* 31;85. <https://doi.org/10.1186/s12302-019-0267-0> ([abstract](#)).

S. Dyksma & C. Gallert (2019) *Candidatus Syntrophosphaera thermopropionivorans*: a novel player in syntrophic propionate oxidation during anaerobic digestion. *Environmental Microbiology Reports* 11(4):558–570. <https://doi.org/10.1111/1758-2229.12759> ([abstract](#)).

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### **Buchbeiträge, Monographien**

Merkblatt DWA-M 380: Co-Vergärung in kommunalen Klärschlammfaulbehältern, Abfallvergärungsanlagen und landwirtschaftlichen Biogasanlagen. Mitwirkung an der Erstellung als Mitglied der DWA-Arbeitsgruppe KEK-4.2 "Vergärung", 2020

- C. Gallert, J. Winter (2019) Wastewater treatment processes. In: *Industrial Microbiology*, David B. Wilson, Hermann Sahn, Klaus-Peter Stahmann, Mattheos Koffas (eds.), Wiley-VCH Verlag, Weinheim ([Buch](#)).
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C. Gallert, J. Winter (2000) Bio- and Pyrotechnology of solid waste treatment. Biotechnology Volume 11c: Environmental Processes III : Solid wastes, Waste gas treatment, Preparation of drinking water. (H.-J. Rehm, G. Reed, A. Pühler and P. Stadler (series eds.). Klein/Winter (volume eds.) pg. 5-33, ([Buch](#)).

C. Gallert and J. Winter (1999) Bacterial metabolism in wastewater treatment systems. Biotechnology, Volume 11a: Environmental Processes I Wastewater treatment. H.-J. Rehm, G. Reed, A. Pühler and P. Stadler (eds.) Volume ed. J. Winter Wiley-VCH Weinheim, Chapter 2, pg. 17-53, ([Buch](#)).

C. Gallert and J. Winter (1998) Mikrobiologie anaerober Gärprozesse. DECHEMA Fachgespräche Umwelt: Technik anaerober Prozesse (Herausg. H. Märkl, R. Stegmann) S. 19-34, DECHEMA e.V.

#### **Conferences (Poster\* and oral presentations)**

C. Gallert (2019) Reduction of pathogenic, antibiotic resistant bacteria by advanced wastewater treatment technologies. International Public Health Conference OLCHPC-2019; Chicago, USA September 26-27, 2019

C. Gallert (2019) Antimicrobial resistance determinants in aquatic environments; NLWKN in Verden/Aller am 22.02.2019

C. Gallert (2019) Antimicrobial resistance in water. Antimicrobial Resistance at the Human-Animal-Environment Interface; Seminar Veterinary Public Health 2019, 8th February 2019, Hannover Germany

C. Gallert (2018) Staphylococci from aquatic environments with inducible resistance to macrolides, lincosamides and streptogramin B (MLS<sub>B</sub>)-Induction of cross-resistance against MLS<sub>B</sub> by the omnipresent metabolite anhydroerythromycin. BIT's 16th Annual Congress of International Drug Discovery Science and Technology-2018 (IDDST) August 16-18, 2018 in Boston, Massachusetts, USA

S. Heß and C. Gallert (2017) Elimination of pathogenic, antibiotic resistant bacteria by advanced wastewater treatment technologies. IWA 4<sup>th</sup> Water Research Conference: The role of water technology innovation in the blue economy, September 10-13, 2017 in Waterloo, Ontario Canada\*

C. Gallert (2017) Multiresistant bacteria in aqueous environment. 2<sup>nd</sup> International Conference and Expo on Water Microbiology & Novel Technologies. August 28-30, 2017 Philadelphia, USA

C. Gallert (2017) Multi(drug)resistant bacteria in aqueous environment. International Conference on Energy, Environment and Information System (ICENIS). UNIP, Semarang, Indonesia, 15<sup>th</sup> August - 16<sup>th</sup> August 2017

S. Heß, C. Gallert (2016) Elimination of micro-pollutants and antibiotic resistant bacteria by advanced wastewater treatment technologies. International Conference and Expo on Water Microbiology & Novel Technologies, July 18-19, 2016 Chicago, Illinois, USA

C. Gallert (2016) Mikrobiologische Grundlagen der Methangärung. 13. Hannoversche Industrieabwassertage (HIT), 07./08.04.2016, Hannover

M. Bajaj, D. Freikowski, C. Gallert and J. Winter (2016) Microbiology in arsenate and selenate containing groundwater. Sino-Germany Symposium on Novel Materials and Techniques for Emerging Pollutants Immobilization from Aqueous Media, Tongji University, 26.-27.01.2016, Shanghai, China

S. Heß, C. Gallert, J. Winter (2016) Elimination of micro-pollutants and pathogenic (antibiotic resistant) bacteria by advanced wastewater treatment technologies. Sino-Germany Symposium on Novel Materials and Techniques for Emerging Pollutants Immobilization from Aqueous Media, Tongji University, 26.-27.01.2016, Shanghai, China

- S. Heß, C. Gallert (2015) Antibiotic resistance: Is the clinical wild-type definition transferable to aquatic strains? ICAAC/ICC Interscience Conference on Antimicrobial Agents and Chemotherapy September, 18.-21.09.2015 San Diego, CA
- S. Heß, C. Gallert (2015) Abundance of different antibiotic resistances in treated sewage and receiving water bodies – 3rd International symposium on the environmental dimension of antibiotic resistance (EDAR), 17.-21.05.2015, Werningerode\*
- K. Schlüter, C. Gallert (2015) Kinetics of syntrophic propionate degrading cultures. Jahrestagung der VAAM vom 01.-04.03.2015, Marburg/Lahn\*
- S. Heß, C. Gallert (2014) Staphylococci from aquatic environments with inducible resistance to macrolides, lincosamides and streptogramin B (MLS<sub>B</sub>) - Induction of cross-resistance against MLS<sub>B</sub> by anhydroerythromycin. Gemeinsame Jahrestagung der VAAM&DGHM, 05.-08.10.2014, Dresden
- Ch. Mörtelmaier, C. Li, J. Winter, C. Gallert (2014) Action and abundance of propionate degrading bacteria in biogas reactors treating organic wastes. 2nd International Conference on Biogas Microbiology ICBM, 10-12 June 2014, Uppsala Sweden
- K. Schlüter, C. Gallert (2014) Kinetics for syntrophic propionate oxidation in enrichments from biogas reactors and defined microbial co-cultures. 2nd International Conference on Biogas Microbiology ICBM, 10-12 June 2014, Uppsala Sweden\*
- Ch. Mörtelmaier, C. Gallert, J. Winter (2014) Propionate Oxidizing Bacteria in wet and dry biowaste digestion. 2nd International Conference on Biogas Microbiology ICBM, 10-12 June 2014, Uppsala Sweden\*
- S. Heß, J. Winter, C. Gallert (2013) Antibiotic-resistant staphylococci in the aquatic environment. FEMS Microbiology Congress, 21.-25.07.2013, Leipzig\*
- S. Heß, J. Winter, C. Gallert (2012) Antibiotic resistant staphylococci in the environment? DGHM Jahrestagung, 30.09.–03.10.2012, Hamburg\*
- S. Schmidt, J. Winter and C. Gallert (2012) Long-term effects of antibiotics on C- and N- removal and viable bacteria in lab-scale wastewater treatment plants. IWA World Water Congress, 16-21 September 2012, Busan, Korea
- C. Gallert and J. Winter (2012) Wet anaerobic digestion of source-sorted municipal wastes – Process efficiency and bottle-neck reactions. German-Russian Forum Biotechnology, 11./12.09.2012 - Kazan, Russia
- C. Gallert and J. Winter (2011) Microbial life under halophilic conditions. Third Baikal Symposium on Microbiology, Oct 3-8, 2011, Irkutsk, Russia
- D. Freikowski, C. Gallert and J. Winter (2011) Insights of Microbial Transformation of Arsenic Compounds. UCLA, Department of Microbiology, March 22, 2011, Los Angeles, CA
- D. Freikowski, C. Gallert and J. Winter (2011) Laboratory and Field Experiments on Microbial Transformation of Arsenic. AEHS West Coast Conference, March 14-17, 2011, San Diego, CA
- D. Jost, C. Gallert and J. Winter (2011) Transport and Activity of Microorganisms in the Capillary Fringe. AEHS West Coast Conference, March 14-17, 2011, San Diego, CA\*
- D. Freikowski, C. Gallert and J. Winter (2010) Laboratory and Field Experiments on Microbial Transformation of Arsenic. Soils, Sediment and Water, Oct 22-23, 2010, Amherst MA\*
- C. Gallert and J. Winter (2010) Renewable Energy from Landfill Gas, Wind Power and Solar Energy on a Former Landfill Site. Soils, Sediment and Water, Oct 22-23, 2010, Amherst MA\*
- C. Gallert and J. Winter (2010) Treatment of saline wastewater in coastal areas. DAAD Expert Seminar on „Wastewater & Waste Management in Coastal Areas“, 01.-05.03.2010 Accra, Ghana

- C. Gallert und J. Winter. Biologische Abwasserreinigung unter Hochsalzbedingungen (2009) Industrietage Wassertechnik. Gemeinschaftsveranstaltung der DECHEMA und der DWA, Fulda, 30.11./01.12.09. DWA proceedings „Management und Behandlung industrieller Prozess- und Abwässer, p44-58
- C. Gallert and J. Winter (2009) Composting of the organic fraction of municipal solid waste -Different strategies and examples from praxi-. IWA conference on Decentralized Water and Wastewater International Network (DEWSIN), 10-13 November, Kathmandu, Nepal
- D. Freikowski, C. Gallert and J. Winter (2009) Microbial Transformation of Arsenic Compounds. Soils, Sediment and Water, Oct 21, 2009, Amherst MA
- D. Freikowski, C. Gallert and J. Winter (2009) Microbial Transformation of Arsenic Compounds – Laboratory work and field experiments. Woods Hole Oceanographic Institution, Biology Department, Prof. S. Sievert, Oct 14, 2009, Woods Hole, MA
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