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Education

- 2004 – 2009 **PhD.** Wageningen University, Laboratory of Microbiology, NL
2002 – 2004 **MSc.** Wageningen University, Department of Environmental Technology, NL
1997 – 2002 **BSc.** Marmara University, Environmental Engineering Department, TR

Work Experience

- 2016 – Research Scientist, Lawrence Berkeley National Laboratory, USA
2014 – 2016 Project Scientist, Lawrence Berkeley National Laboratory, USA
2011 – 2014 Postdoctoral Research Fellow, Lawrence Berkeley National Laboratory, USA
2008 – 2010 Postdoctoral Research Fellow, Vrije Universiteit, Amsterdam, NL
2004 – 2008 Junior Research Associate, Wageningen University, NL
2006 – 2007 Researcher, Institute of Environmental Genomics, Oklahoma University, OK

Synergistic Activities

Member of the editorial board FEMS Microbiology Ecology, 2014-Present

Reviewer for JGI-Community Sequencing Program 2015-Present, DOE-Environmental System Science Program 2015, BioDiversa 2015

Lecturer for JGI's Integrated Microbial Genomes Workshop, Soil Metagenomics 2012-2014

Reviewer for ISME Journal, Ecology, Applied and Environmental Microbiology, Journal of Geophysical Research – Biogeosciences, Plos ONE, Peer J, Microbial Biotechnology, BMC Microbiology, Frontiers in Microbiology, Scientific Reports, Soil Biology and Biochemistry, Environmental Microbiology and Environmental Microbiology Reports

Member International Society for Microbial Ecology (ISME – since 2006), American Society for Microbiology (ASM – since 2013), American Geophysical Union (AGU – since 2012)

Publications

1. Mackelprang R, Saleska SR, Jacobsen CS, Jansson JK, Taş N. 2016. Permafrost Meta-omics and Climate Change, *Annual Review of Earth and Planetary Sciences*, 44, 439-462 [\[link\]](#)
2. Beltrán Y, Cerqueda-García D, Taş N, Thomé PE, Iglesias R, Falcón LI. 2016. Microbial composition of biofilms associated with lithifying rubble of *Acropora palmata* branches. *FEMS Microbiology Ecology* [\[link\]](#)
3. Carrillo-Araujo M*, Taş N*, Alcántara-Hernández R, Gaona O, Schondube J, Medellín R, Jansson JK, Falcón LI. 2015. Phyllostomid bat microbiome composition is associated to feeding strategies. *Frontiers in Microbiology*, 6,477. (*shared first author) [\[link\]](#)
4. Schostag M, Stibal M, Jacobsen CS, Bælum J, Taş N, Elberling B, ... & Priemé A. 2015. Distinct summer and winter bacterial communities in the active layer of Svalbard permafrost revealed by DNA-and RNA-based analyses. *Frontiers in Microbiology*, 6, 399. [\[link\]](#)

5. Jansson JK and Taş N. 2014. The microbial ecology of permafrost, *Nature Reviews Microbiology* 12: 414-425 [\[link\]](#)
6. Taş N, Prestat E, McFarland JW, Wickland K, Knight R, Asefaw Berhe A, Jorgenson T, Waldrop M, Jansson JK. 2014. Impact of fire on active layer and permafrost microbial communities and metagenomes in an upland Alaskan boreal forest. *ISME Journal* Vol.8, 1904-1919 [\[link\]](#)
7. Prestat E, David MM, Hultman J, Taş N, Lamendella R, Mackelprang R, Myrold DD, Jumpponen A, Tringe S, Holman E, Mavromatis K, Jansson JK. 2014. FOAM: Functional Ontology Assignments for Metagenomes: an Hidden Markov Models database for environmental samples annotation. *Nucleic Acids Research* 42:e145 [\[link\]](#)
8. The Integrative HMP (iHMP) Research Network Consortium*.2014. The Integrative Human Microbiome Project (iHMP): Dynamic analysis of microbiome-host omics profiles during periods of human health and disease. *Cell Host-Microbe* doi: 10.1016/j.chom.2014.08.014 (* contributing author within the consortium) [\[link\]](#)
9. Lamendella R, Borglin S, Chakraborty R, Strutt S, Taş N, Mason OU, Hultman J, Prestat E, Hazen T and Jansson JK. 2014. Assessment of the Deepwater Horizon oil spill impact on Gulf coast microbial communities. *Frontiers in Microbiology* doi: 10.3389/fmicb.2014.00130 [\[link\]](#)
10. Boer TE*, Taş N*, Braster M, Temminghoff EJM , Roling WFM and Roelofs D.2012. The influence of long-term copper contaminated agricultural soil at different pH levels on microbial communities and springtail transcriptional regulation. *Environmental Science & Technology* 46: 60-68 (* shared first author) [\[link\]](#)
11. Weedon JT, Kowalchuk GA, Aerts R, van Hal J, van Logtestijn R, Taş N, Røling WFM and van Bodegom PM. 2012. Summer warming accelerates sub-arctic peatland nitrogen cycling without changing enzyme pools or microbial community structure. *Global Change Biology* 18: 138-150 [\[link\]](#)
12. Taş N, van Eekert MHA, Wagner A, Schraa G, de Vos WM and Smidt H. 2011. The role of “*Dehalococcoides*” spp. in the anaerobic transformation of hexachlorobenzene in European rivers. *Applied and Environmental Microbiology* Vol. 77, pp 4437-4445 [\[link\]](#)
13. Taş N, Heilig GHJH ,van Eekert MHA, Schraa G, de Vos WM and Smidt H. 2010. Concurrent hexachlorobenzene and chloroethene transformation by endogenous dechlorinating microorganisms in the Ebro river sediment. *FEMS Microbiology Ecology* Vol. 74, pp 682-692 [\[link\]](#)
14. Taş N, van Eekert MHA, Schraa G, de Vos WM and Smidt H. 2010. The little bacteria that can – diversity, genomics and ecophysiology of “*Dehalococcoides*” spp. in contaminated environments. *Microbial Biotechnology* Vol.3, No.4, pp 389 – 402 [\[link\]](#)
15. Taş N, van Eekert MHA, Schraa G, Zhou J, de Vos WM and Smidt H. 2009. Tracking functional guilds: “*Dehalococcoides*” spp. in European river basins contaminated with hexachlorobenzene. *Applied and Environmental Microbiology* Vol.75, No.14, pp 4696-4704. [\[link\]](#)

16. **Taş, N.** 2009. *Dehalococcoides* spp. in river sediments: Insights in functional diversity and dechlorination activity. In Laboratory of Microbiology PhD Dissertations. Wageningen, NL. [\[link\]](#)
17. Barth JAC, Grathwohl P, Fowler HJ, Bellin A, Gerzabek MH, Lair GJ, Barcelo D, Petrovic M, Navarro A, Negrel P, Petelet-Giraud E, Darmendrail D, Rijnaarts HHM, Langenhoff AAM, de Weert JPA, Slob A, van der Zaan BM, Gerritse J, Frank E, Gutierrez A, Kretzschmar R, Gocht T, Steidle D, Garrido F, Jones KC, Meijer S, Moeckel C, Marsman A, Klaver G, Vogel T, Burger C, Kolditz O, Broers HP, Baran N, Joziassse J, won Tumpling W, van Gaans P, Merly C, Chapman A, Brouyere S, Aguilar JB, Orban P, **Taş N**, Smidt H. 2009. Mobility, turnover and storage of pollutants in soils, sediments and waters: achievements and results of the EU project AquaTerra. A review *Agronomy for Sustainable Development* Vol.29, No.1, pp 161 - 173. [\[link\]](#)
18. Calli B, Mertoglu B, **Taş N**, Inanç B, Yenigün O and Öztürk I. 2003. Investigation of variations in microbial diversity in anaerobic reactors treating landfill leachate. *Water Science & Technology* Vol. 48, No.4, pp 105–112 [\[link\]](#)
19. Calli B, **Taş N**, Mertoglu B, Inanc B and Öztürk I. 2003. Molecular analysis of microbial communities in nitrification and denitrification reactors treating high ammonia leachate. *Journal Of Environmental Science And Health, Part A—Toxic/Hazardous Substances & Environmental Engineering* Vol. A38, No. 10, pp. 1997–2007 [\[link\]](#)

Invited Oral Presentations and Lectures

1. **Taş N.** 2015. Hydrology defines microbial communities and functions across polygon types at the Next Generation Ecosystem Experiment (NGEE)-Arctic Barrow site. The 100th ESA Annual Meeting, Baltimore, MD
2. **Taş N.** 2015. Climate mediated changes in microbial ecology of Arctic soils. Sonoma State University, Sonoma, CA
3. **Taş N.** 2015. Microbial communities and functions across polygon features at the Next Generation Ecosystem Experiment (NGEE)-Arctic Barrow site, JGI Science & Technology Seminar Series, Walnut Creek, CA
4. **Taş N** and Jansson JK. 2013. Permafrost thaw mediated changes in microbial ecology of Arctic soils. The 5th Congress of European Microbiologists (FEMS 2013), Leipzig, Germany
5. **Taş N**, Jorgenson T, Wang S, Wickland K, Berhe AA, Knight R, Waldrop M, Jansson JK. 2012. Microbial community response to wildfire in an Alaskan upland boreal forest. AGU General Meeting, San Francisco, CA
6. **Taş N**, Jorgenson T, Wang S, Wickland K, Berhe AA, Knight R, Waldrop M, Jansson JK. 2012. Microbial community response to wildfire in an Alaskan upland boreal forest. Inaugural Early Investigators Biosciences Retreat, Berkeley, CA
7. **Taş N**, Jorgenson T, Wang S, Wickland K, Berhe AA, Knight R, Waldrop M, Jansson JK. 2012. Soil metagenomics reveals microbial community response to wildfire in an Alaskan upland boreal forest. Soil Metagenomics Workshop, Argonne National Laboratory, IL

8. **Taş N**, Castanha C, Reichl K, Fischer M, Brodie E, Torn MS, Jansson JK. 2012. Stabilization potential of pyrolyzed organic material in soils. The Carbon Cycle 2.0 LDRD Seminar Series, Lawrence Berkeley National Laboratory, Berkeley, CA
9. **Taş N**, Brandt BW, Braster M, van Breukelen B, Heringa J, Rölting WFM. 2010. Towards understanding the natural attenuation of contaminants in the subsurface: A metagenomic/transcriptomic approach. ISME 13, Seattle, WA
10. Weedon J, van Bodegom P, Kowalchuk G, **Taş N**, Rölting WFM, van Logtestijn R, van Hal J, Aerts R. 2010. Warming effects on nitrogen cycling and microbial community structure in a sub-arctic peat-bog. Enzymology and ecology of the nitrogen cycle, Birmingham, UK
11. **Taş N**, van Eekert MHA, Schraa G, de Vos WM, Smidt H. 2007. Ecology of dechlorinating bacteria in European River Basins. NVvM Microbial Ecology 2007 Fall Symposium, Amsterdam, NL
12. **Taş N**, van Eekert MHA, Schraa G, de Vos WM, Smidt H. 2006. Tracing Functional Guilds: *Dehalococcoides* spp. In European River Basins. ISEB 2006, Leipzig, DE
13. **Taş N**, van Eekert MHA, Schraa G, Smidt H. 2006. Structure and function of microbial communities: *Dehalococcoides* spp. in European river basins. Soil & Water, Zeist, NL
14. van Eekert MHA, **Taş N**, Smidt H, Schraa G. 2006. Anaerobic biodegradation of hexachlorobenzene (HCB) in soils and sediments of European river basins. 2nd FEMS Congress of European Microbiologists, Madrid, SP
15. Mertoglu B, Çallı B, **Taş N**, Aksu D, Konukçu M, Erdoğan E, Inanç B. 2001. Yüksek Amonyak İçeren Depo Sahası Sızıntı Sularında Biyolojik Azot Giderimi, (in Turkish) IV. National Congress of Turkish Environmental Engineers, İçel, TR