

Christian BRANDSTÄTTER

PERSONAL DATA

DATE OF BIRTH April 16th, 1983
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WORK EXPERIENCE

Current External Lecturer at **FH Technikum Wien**, Vienna
FEB 2022 *Competence Center Artificial Intelligence & Data Analytics*
Data analysis, SQL

Current Data Expert at **Environment Agency Austria**, Vienna
MAY 2019 *Waste and Material Flow Management*
Data analysis and preparation for Federal Waste Management Plan

DEZ 2016 - Post Doc at **TU Wien** (20 %), Vienna
DEZ 2020 *Institute for Water Quality and Resource Management*
Technical supervision of a two-year laboratory experiment

JAN 2016 - Data Analyst at **blp GeoServices** gmbh, Vienna
MAY 2019 *(Geo-)Technical Office*
R&D, database-management, data evaluation and reporting, GIS

EDUCATION

OCT 2021 Master of Science in *Data Science*
University of Applied Sciences Wiener Neustadt
Thesis: Sensitivity Analysis on Biolog Ecoplates applied on a waste degradation experiment
Advisor: Wolfgang Ecker-Lala, TU Wien, completed with distinction

JUN 2015 PhD in *Natural Sciences*, **TU Wien**
Thesis: In-depth analysis of degradation processes in old MSW landfills under different oxygen and water regimes
Advisor: Johann Fellner, TU Wien, completed with distinction

Nov 2009 Master of Science in *Ecology*, **University of Vienna**
Thesis: Microbial degradation of beech litter of different origin
Advisor: Prof. Zechmeister-Boltenstern, University of Natural Resources and Life Sciences, completed with distinction

SCHOLARSHIPS AND CERTIFICATES

2022 IPMA Certificate Project Management Level D, pma Austria (valid until March 2026)
2019 Introduction to Computational Thinking and Data Science, MITx
2018 Introduction to Computer Science and Programming Using Python, MITx
2015 Scientific funding award from the Vienna municipal section of Environment, Vienna

LANGUAGES

GERMAN	Mother Language
ENGLISH	Fluent
FRENCH	Intermediate Knowledge
CZECH	Basic Knowledge

COMPUTER SKILLS

Expert Knowledge	Python, SQL (Oracle, PostgreSQL), R, QGIS, MS Office
Intermediate Knowledge	Linux/Bash, Tableau, MS PowerBI, Jira, Confluence, GIT, html, CSS, Javascript, Latex, Limesurvey, Moodle
Basic Knowledge	Java

FUNDED RESEARCH PROJECTS

ENTEKER A study about statistical forecasting of brownfields for their remediation potential.
Austrian Research Promotion Agency (total: 190.000 €)
[Summary Report \(German\)](#)

MintOx Microbial nitrogen transformation during waste degradation
Austrian Science Fund (total: 275.000 €)
[Abstract](#)

REFEREES

Ass. Prof. Dr. Johann Fellner	johann.fellner@tuwien.ac.at
Prof. Dr. Ir. T.J. (Timo) Heimovaara	T.J.Heimovaara@tudelft.nl

DRIVING LICENSE

A and B

JOURNAL PUBLICATIONS

Brandstätter, C., Fricko N., Rahimi, M. J., Fellner, J., Ecker-Lala, W., Druzhinina, I. S. (2022). The microbial metabolic activity on carbohydrates and polymers impact the biodegradability of landfilled solid waste. *Biodegradation*, 33(1):71-85.

Fricko N, Brandstätter, C., Fellner, J. (2021). Enduring reduction of carbon and nitrogen emissions from landfills due to aeration? *Waste Management* 135: 457-466.

Flores-Orozco, A., Gallistl, J., Steiner, M., Brandstätter, C., Fellner, J. (2020). Mapping biogeochemically active zones in landfills with induced polarization imaging: The Heferlbach landfill. *Waste Management* 107, 121-132.

Brandstätter, C., Prantl, R., Fellner, J. (2020). Performance assessment of landfill in-situ aeration - A case study. *Waste Management* 101, 231-240.

van Turnhout, A. G., Brandstätter, C., Kleerebezem, R., Fellner, J., Heimovaara, T. J. (2018). Theoretical analysis of municipal solid waste treatment by leachate recirculation under anaerobic and aerobic conditions. *Waste Management* 71, 246–254.

Brandstätter, C., Fellner, J. and Prantl, R., 2016. In-situ-Belüftung von Deponien in Feld und Labor-Projekt „Heferlbach“ “On the in-situ aeration of landfills at laboratory and field scale-project “Heferlbach”. *Österreichische Wasser-und Abfallwirtschaft*, 68(9-10), 428-434.

Schwarzböck, T., Aschenbrenner, P., Rechberger, H., Brandstätter, C., Fellner, J. (2016). Effects of sample preparation on the accuracy of biomass content determination for refuse-derived fuels. *Fuel Processing Technology* 153, 101-110.

Brandstätter, C., Laner, D., Fellner, J. (2015). Nitrogen pools and flows during lab-scale degradation of old landfilled waste under different oxygen and water regimes, *Biodegradation* 26(5), 399-14.

Brandstätter, C., Laner, D., Fellner, J. (2015). Carbon pools and flows during lab-scale degradation of old landfilled waste under different oxygen and water regimes, *Waste Management* 40, 100-111.

Schindlbacher, A., Borken, W., Djukic, I., Brandstätter, C., Spötl, C., Wanek, W. (2015). Contribution of carbonate weathering to the CO₂ efflux from temperate forest soils, *Biogeochemistry* 124(1–3), 273–290.

Brandstätter, C., Laner, D., Prantl, R., Fellner, J. (2014). Using multivariate regression modeling for predicting chemical characteristics of mixed waste in old landfills. *Waste Management* 34, 2537-2547.

Brandstätter, C., Keiblinger, K., Wanek, W., Zechmeister-Boltenstern, S. (2013). A closeup study of early beech litter decomposition: potential drivers and microbial interactions on a changing substrate. *Plant and Soil* 371(1-2), 139-154.