



Andrea Sonnleitner

Date of birth: 16/09/1987 | **Nationality:** Austrian | **Gender:** Female |

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Gewerbepark Haag 3, 3250, Wieselburg-Land, Austria

● EDUCATION AND TRAINING

01/10/2005 – 28/09/2009 – Stelzhamerstraße 23, Wels
DI (FH) – University of Applied Sciences Upper Austria - Campus Wels

Field(s) of study

- Biological and Environmental Technologies

Passed with excellent success |

Untersuchungen diverser Prozessparameter auf die thermophile Dunkelfermentation mit Caldicellulosir |

<https://www.fh-ooe.at/en/wels-campus/>

● WORK EXPERIENCE

14/03/2018 – CURRENT – Wieselburg-Land, Austria
RESEARCHER AND PROJECT MANAGER – BEST BIOENERGY AND SUSTAINABLE TECHNOLOGIES GMBH

More than 12 years of experience in the field of bioenergy, biofuels and sustainability

RTD in the field of Sustainable Supply and Value Chains and biofuels

- Operating Agent in the International Advanced Motor Fuels Project on Lessons Learned from Alternative Fuels Experience
- Project on compost additives as water, nutrient and carbon storages
- Project on Recirculation of Algae-process water for saving Resources and reduce Wastewater
- Project on motive analysis for decision on energy systems in households
- Horizon 2020 project BIOFIT Bioenergy Retrofits for Europes Industry
- Management of database on facilities for the production of advanced liquid and gaseous biofuels for transport in the frame of IEA Bioenergy Task 39

National and international networking activities

- Organisation of networking events for the Austrian Stakeholders in the field of microalgae
- Organisation of networking event for the D-A-CH network algae
- Editor of IEA Bioenergy Austria Newsletter
- Support for ETIP Bioenergy
- Support for Austrian participation in IEA Bioenergy Task 39
- Support for the Austrian secretary in the IEA Advanced Motor Fuels Agreement

Area Sustainable Supply & Value Chains | Professional, scientific and technical activities | www.best-research.eu |

Gewerbepark Haag 3, 3250, Wieselburg-Land, Austria

24/01/2017 – 13/03/2018

MATERNITY LEAVE

23/10/2015 – 23/01/2017 – 3250, Austria
RESEARCHER AND PROJECT MANAGER – BIOENERGY 2020+ GMBH

RTD in the field of Sustainable Supply and Value Chains

- Projectleader in project on alternative CO₂ utilization from flue gas
- Educational project on the resource water

National and international networking activities

- Member in the German Research Network Biogenic Fuels (ForNeBiK)
- Projectleader in networking project for the Austrian Stakeholders in the field of microalgae
- Austrian Network Biofuels
- Support for Austrian participation in IEA Bioenergy Task 39
- Support for the Austrian secretary in the IEA Advanced Motor Fuels Agreement

27/08/2014 – 22/10/2015

MATERNITY LEAVE

01/05/2012 – 27/08/2014 – Wieselburg-Land

RESEARCHER AND PROJECT MANAGER – BIOENERGY 2020+ GMBH

RTD in the field of biofuels

- Networking project on biobased industries in Austria
- Educational project on electrical energy from solar, water, wind and organic residues
- Project on energy production with biogenic wastes from households
- Projectleader in project on synergies of microalgae cultivation and wastewater treatment
- Project on biodiesel production from *Jatropha curcas L.*

National and international networking activities

- Member in the German Research Network Biogenic Fuels (ForNeBiK)
- Organisation of Workshops for the Austrian Stakeholders in the field of algae for energy
- Austrian Network Biofuels
- Support for Austrian participation in IEA Bioenergy Task 39
- Support for the European Biofuels Technology Platform
- Support for the Austrian secretary in the IEA Advanced Motor Fuels Agreement

Information Dissemination services

- Network Biofuels Newsletter
- Newsletter Biobased Future
- IEA-AMF Newsletter

01/03/2010 – 30/04/2012 – Wieselburg-Land, Austria

JUNIOR RESEARCHER – BIOENERGY 2020+ GMBH

RTD in the field of biofuels

- project on integration of algae into the Austrian energy system
- project on biodiesel production from *Jatropha curcas L.*
- National and international networking activities (Netzwerk Biotreibstoffe, IEA Bioenergy Task 39)

01/01/2009 – 30/09/2009 – Steyr-Gleink

GRADUATE STUDENT – PROFACTOR GMBH

RTD in the field of fermentative hydrogen production

- EU-project HYVOLUTION on thermophilic hydrogen production through dark fermentation with *Caldicellulosiruptor saccharolyticus* – process optimisation

01/08/2008 – 31/12/2008 – Steyr-Gleink

TRAINEE – PROFACTOR GMBH

RTD in the field of fermentative hydrogen production

- work on EU-project HYVOLUTION on thermophilic hydrogen production through dark fermentation

RTD in the field of fermentative biogas production

- tests of different waste products as biogas input

● LANGUAGE SKILLS

Mother tongue(s): GERMAN

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
FRENCH	A2	B1	A1	A1	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

ECDL licence

● DRIVING LICENCE

Driving Licence: B

● COMMUNICATION AND INTERPERSONAL SKILLS

Diverse courses on soft skills

Diverse courses on soft skills within the fForte Coaching 2011/12 (communication and team processes, self-management, communication and conflict management, work in research projects, project management)

● ORGANISATIONAL SKILLS

Editorial Skills in national and international newsletters

Editor of Newsletter: IEA Bioenergy Austria Newsletter (since 2020)
Editor of Newsletter: Biobased Future (2012-2014) with 600 recipients
Editor of Network Biofuels newsletter (2012-2020)
Assistant for IEA Advanced Motor Fuels Newsletter

Organsiation of several national and international workshops

Highlights der Bioenergieforschung V
Lange Nacht der Forschung 2012
Network Algae 2013, 2015, 2016, 2018, 2019
ETIP Bioenergy Workshop Emerging Technologies 2018
Expert Workshop AMF Lessons Learned on Alternative Fuels Experience 2020

● HONOURS AND AWARDS

2011
INNOVATIONaward FH Wels 2011 - 3rd place – University of Applied Sciences Upper Austria

3rd place in the category environmental sciences for the diploma thesis on thermophilic dark fermentation

● PUBLICATIONS

Untersuchungen diverser Prozessparameter auf die thermophile Dunkelfermentation mit *Caldicellulosiruptor saccharolyticus*: H₂ Maximierung durch Blasenkeiminduktor, Unterdruck und Medienoptimierung

2009
Diploma Thesis (in German only)

Jatropha mahafalensis oil from Madagascar: Properties and suitability as liquid biofuel.

Energy for Sustainable Development 08/2013; 17(4):326-330.
<https://www.sciencedirect.com/science/article/pii/S0973082613000318> – 2013
Sonnleitner, Andrea, Rathbauer, Josef, Randriamalala, Josoa Ramarolanonana, Raoliarivelo, Léa Irène Benjamin, Andrianarisoa, Julien Honoré, Rabeniala, Radobarimanjaka, Ehrensperger, Albrecht: *Jatropha mahafalensis* oil from Madagascar: Properties and suitability as liquid biofuel. Energy for Sustainable Development 08/2013; 17(4):326-330.

Characterisation of *Jatropha curcas* seeds and oil from Mali

Biomass and Bioenergy 01/2012, 47:201-210.
<https://www.sciencedirect.com/science/article/abs/pii/S0961953412003807?via%3Dihub> – 2012
Rathbauer, Josef, Sonnleitner, Andrea, Pirot, Roland, Zeller, Rudolf, Bacovsky, Dina: Characterisation of *Jatropha curcas* seeds and oil from Mali. Biomass and Bioenergy 01/2012, 47:201-210.

Process investigations of extreme thermophilic fermentations for hydrogen production: Effect of bubble induction and reduced pressure

Bioresource Technology 118 (2012) 170-176
<https://www.sciencedirect.com/science/article/abs/pii/S0960852412007900> – 2012
Sonnleitner, Andrea, Peintner, Christian, Wukovits, Walter, Friedl, Anton, Schnitzhofer, Wolfgang: Process investigations of extreme thermophilic fermentations for hydrogen production: Effect of bubble induction and reduced pressure. Bioresource Technology 118 (2012) 170-176

Bioenergy policies and status of implementation

European Biomass Conference and Exhibition Proceedings, 2017, 2017(25thEUBCE), pp. 2034–2040
2017
Conference Paper Bioenergy policies and status of implementation Bacovsky, D., Dissauer, C., Enigl, M., ...Pelkmans, L., Wellinger, A. European Biomass Conference and Exhibition Proceedings, 2017, 2017(25thEUBCE), pp. 2034–2040