

### Books & Book chapters

2013

**Halan B.** (2013)  
**Biofilms as living catalysts for fine chemical synthesis: analysis, process design and scale-up.**  
Shaker Verlag GmbH, Herzogenrath, Germany, ISBN: 978-3-8440-1795-3,  
[DOI-Link](#)

### Oral Presentations

2013

**Halan B., Bühler K. and Schmid A.** (2013)  
**Catalytic Biofilms: Linking EPS Composition to Solvent Stress.**  
VAAM Jahrestagung, 10. - 13. March 2013, Bremen, Germany

2011

**Halan B., Schmid A. and Bühler K.** (2011)  
**Productive catalytic biofilms on solid support membrane aerated reactors: process design for fine chemical synthesis..**  
DECHEMA 1st European Conference of Applied Biotechnology, 25. - 29. September 2011, Berlin, Germany

**Halan B., Schmid A. and Bühler K.** (2011)  
**Productive catalytic biofilms on solid support membrane aerated reactors: process design for fine chemical synthesis.**  
DECHEMA Bioverfahrenstechnik an Grenzflächen, 30. May - 1. June 2011, Potsdam, Germany

**Halan B., Schmid A. and Bühler K.** (2011)  
**Catalytic biofilms: Real time solvent tolerance analysis of *Pseudomonas sp.* strain VLB120ΔC and profiling of EPS matrix.**  
VAAM Frühjahrstagung, 3. - 6. April 2011, Karlsruhe, Germany

2010

**Halan B., Bühler K. and Schmid A.** (2010)  
**Interplay of cell biology and Image visualization - our understanding of living matters.**  
Bitplane IMARIS, 10. - 13. August 2010, Weisstannen, Switzerland

2009

**Halan B., Letzel T., Bühler K. and Schmid A.** (2009)  
**Catalytic biofilms for efficient asymmetric epoxidations.**  
DECHEMA Jahrestagung der Biotechnologen, 8. - 10. September 2009, Mannheim, Germany

**Posters**

2016

**Halan B., Rosa L.F.M., Harnisch F., Bühler K., and Schmid A. (2016)**  
**Continuous light driven electrogenic activity of *Synechocystis* sp. PCC 6803 at large scale.**  
Mikrobielle Bioelektrotechnologie: Eine Plattforminitiative für Deutschland, 22. – 23. November 2016, Braunschweig, Germany.

**Halan B., Rosa L.F.M., Harnisch F., Bühler K., and Schmid A. (2016)**  
**Continuous light driven electrogenic activity of *Synechocystis* sp. PCC 6803 at large scale.**  
The 3<sup>rd</sup> European Meeting of the International Society for Microbial Electrochemistry and Technology. EU-ISMET 2016, 26. – 28. September 2016, Rome, Italy.

2015

**Halan B., Karande R., Schmid A. and Bühler K. (2015)**  
**Scale-up and scale-down of truly continuous biofilm based bioprocesses.**  
DECHEMA Himmelfahrtstagung, 11. - 13. May 2015, Hamburg-Bergedorf, Germany

**Halan B., Bühler K. and Schmid A. (2015)**  
**Biofilms as living catalysts for fine chemical synthesis: process design and scale-up.**  
1<sup>st</sup> Industrial Bioprocess-Development Academy, 15. - 17. April 2015, BASF, Ludwigshafen, Germany

**Halan B., Karande R., Schmid A. and Bühler K. (2015)**  
**Industrial biotechnology for sustainable and energy efficient bioprocesses: miniaturized biofilm based continuous fine chemical synthesis.**  
UFZ Energy Days, 24. - 25. February 2015, Leipzig, Germany

2012

Schmutzler K., Volmer J., **Halan B.**, Bühler B., Bühler K. and Schmid A. (2012)  
**Solvent tolerance in *Pseudomonas* sp. strain VLB120 - biofilms vs planktonic cells.**  
VAAM Jahrestreffen, 18. - 21. March 2012, Tübingen, Germany

2011

Bühler K., **Halan B.** and Schmid A. (2011)  
**Biofilm catalysis: Impact of styrene on *Pseudomonas* sp. strain VLB120 biofilms.**  
Bioverfahrenstechnik an Grenzflächen, 30. May - 1. June 2011, Potsdam, Germany

2010

**Halan B.**, Letzel T., Bufe R., Bühler K. and Schmid A. (2010)  
**Catalytic Biofilms: Real time solvent tolerance analysis and new frontiers in reactor design.**

BioTrends 2010, 1. - 2. December 2010, Dortmund, Germany

Schmid A., **Halan B.** and Bühler K. (2010)

**Maximising the productivity of catalytic biofilms on solid supports in membrane bioreactors.**

DECHEMA Bioprozessorientiertes Anlagendesign, 10. - 12. May 2010, Nürnberg, Germany

**Halan B.**, Letzel T., Bufe R., Bühler K. and Schmid A. (2010)

**Catalytic biofilms: Real time solvent tolerance analysis and new frontiers in reactor design.**

Gordon Research Conference on Biocatalysis, 11. - 16. July 2010, Smithfield, Rhode Island, USA

2009

**Halan B.**, Bühler K. and Schmid A. (2009)

**Catalytic biofilms: novel concept for fine chemical synthesis.**

VAAM, 8. - 11. March 2009, Bochum, Germany

2008

Bühler K., Gross R., **Halan B.**, Hermes S. and Schmid A. (2008)

**Biofilms: Versatile Biocatalysts for Redox-Catalysis?**

Gordon Research Conference on Biocatalysis, 6. - 11. July 2008, Bryant University, Smithfield, RI, USA