

## *Curriculum Vitae*

### **HOSOYA, Takashi**

University of Natural Resources and Life Sciences, Vienna  
Department of Chemistry  
Division of Chemistry of Renewables  
Konrad-Lorenz-Strasse 24  
A-3430 Tulln, Austria



### **Academic career:**

06/2008 – 03/2011 Postdoctoral Fellow of Japan Society for the Promotion of Science at Kyoto University, Japan, Prof. Sakaki's group.

**Research topic:** Quantum chemical investigation on anhydrosugar formation during thermal degradation of cellulose.

Since 04/2011 Research Scientist, Postdoctoral Fellow at University of Natural Resources and Life Sciences Vienna, Austria, Prof. Rosenau's group.

**Research topic:** 1) Molecular mechanism in pulp bleaching. 2) Atomic-level investigation on the mechanism in chemical glycoside synthesis.

### **Academic Degrees:**

#### **Ph.D. (Energy Science)**

Thesis Title: "Mechanism in Pyrolysis Gasification of Softwood at the Molecular Level"

Institute: Graduate School of Energy Science, Kyoto University (2008)

Supervisors: Shiro Saka and Haruo Kawamoto

#### **M.Sc. (Energy Science)**

Institute: Graduate School of Energy Science, Kyoto University (2005)

Supervisors: Shiro Saka and Haruo Kawamoto

#### **B.Sc. (Agriculture)**

Institute: Faculty of Agriculture, Kyoto University (2003)

Supervisor: Fumiaki Nakatsubo