

Curriculum Vitae: Claudia SCHOENWEITZ

Name: Claudia SCHOENWEITZ

Nationality: German

Email: Claudia.schoenweitz@ivv.fraunhofer.de

Tel: +49 8161 491117



Current Position

Deputy Director Fraunhofer Institute for Process Engineering and Packaging IVV
Head of Strategic R&D Management at Fraunhofer Institute for Process Engineering and Packaging IVV

Past positions

Director's assistant & project leader at Fraunhofer Institute for Process Engineering and Packaging IVV, Freising, Germany

Management of Technologie Zentrum Freising Büroservice und Vertriebsgesellschaft mbH, Freising

Founder member of the association Technologie Zentrum Freising e.V. to support start-up entrepreneurs, Freising

Education

PhD in Applied Electrochemistry and Chemical Environment Technology, Technical University of Munich 1992-1996.

Diploma in Chemistry, Technical University of Munich, 1992

Research topics of interest

Plant raw materials & food development for sustainability: Maximum utilization of raw materials and residual materials from the agricultural and food industries. Ingredients such as proteins, fibres and secondary metabolites from plant raw materials for a variety of applications in food and animal feed for improving texture, optimizing the nutritional value and achieving a bioactive effect. High-quality convenience food, low calorie products and fiber-rich foods, meat surrogates based on plant proteins. Gentle heating and drying processes for high food quality.

Packaging & safety & sustainability: Packaging with barrier properties and active functions including also the use of renewable raw materials and easy opening functionality. Food safety ensured by compliance of food

contact materials and by designing hygiene-optimized processing machinery. Improved plastics recycling.

Recent participation in international projects

Promotor & Coordinator: NEXTGENPACK -Next generation of advanced active and intelligent bio-based packaging for food, Programme Inter Carnot Fraunhofer PICF, 04/2012-08/2015.

Work package leader: ECOBIOCAP - Ecoefficient Biodegradable Composite Advanced Packaging, 7th. EU-Framework Programme 03/2011 – 02/2015.

Work package leader: FLEXPARENEW - Design and development of an innovative ecoefficient low-substrate flexible paper packaging from renewable resources to replace petroleum based barrier films, 7th. EU-Framework Programme , 09/2008 – 08/2011.

Work package leader: SUSTAINPACK - Innovation and Sustainable Development in the Fibre Based Packaging Value Chain, Subproject 4: Protective Coatings, 6th. EU-Framework Programme, 06/2004 – 05/2008.

Latest presentations and publications

Schönweitz, C.: Innovation in practice, Innovation Congress of the Bavarian State Ministry for Food, Agriculture and Forestry, Regensburg, 10.07.2014

Schönweitz, C.: Why do we package foods? 19th Food Packaging Seminar, Baden-Württemberg section of the Deutsche Gesellschaft für Ernährung e.V. (DGE-BW), Stuttgart, 27.09.2012

Schönweitz, C.: Material trends in the packaging industry. Bayern Innovativ: Cluster Forum "New materials for the Future", Fürth, 15.11.2011

Schönweitz, C.: Agricultural Science and Food Production: Outlook for the Future. International Congress France + Germany "AGRO-INDUSTRIES OF THE FUTURE. Sustainable Solutions for People, Land, and the Environment", General Council of Moselle Department, Metz, France, 04.-05.05.2011

Schönweitz, C.: Technological aspects – How will the world be able to sustainably feed 9 billion people by 2021? BMBF Technology Forum "Plant Research, Nutrition, Health – Interdisciplinary Concepts for Sustainable Development", Berlin, 15.12.2010

Gontard, N. ; Angellier, H. ; Guillaume, C. ; Guillard, V. ; Schönweitz, Claudia ; Fava, F. ; Lagaron, C. ; Majone, M.: Toward an eco-design of safe and sustainable bio-based packaging for food. In: EFFoST 2013 Annual Meeting : Proceedings. 2013, 1 S.

Müller, K.; Schönweitz, C.; Langowski, H.-Ch.: Thin Laminate Films for Barrier Packaging Application - Influence of Down Gauging and Substrate Surface Properties on the Permeation Properties. In: Packaging Technology and Science. 25 (2012), 3, 137-148.

Noller, K.; Schmid, M.; Schönweitz, C.; Guerin, D.; Stinga, C.: Organic and inorganic nanolayers to improve barrier properties. In: FlexPakRenew Workshop : Proceedings. 2011, 23 S.