

## Curriculum Vitae: Cornelia STRAMM

**Name: Cornelia STRAMM**

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## Current Position

Head of department "Materials Development" at Fraunhofer Institute for Process Engineering and Packaging IVV

## Education

Diploma in Chemistry, Ludwig Maximilian University Munich, 1997

PhD Thesis on "Reactions of halogenated cymantrenes", Ludwig Maximilian University, Munich (1997 – 2000)

## Research topics of interest

Polymer packaging systems for food applications

Development of polymer films with barrier properties or active functions

Food packaging systems based on renewable materials

Barrier properties of polymer films

## Recent participation in international projects

Participant to more than 30 international or national projects

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

ECOBIOCAP - Ecoefficient Biodegradable Composite Advanced Packaging, 7<sup>th</sup> Framework EU-Rahmenprogramm, 03/2011 – 02/2015.

ProgRESS - Development of organic PHA barrier coatings originating from paper industry side streams for paper and board packaging applications, CORNET 07/14-06/16

SELECTPERM – Food packaging materials with O<sub>2</sub> / CO<sub>2</sub> selective permeability, CORNET 05/14-04/16

Paper4Barrier – Sustainable paper-based packaging materials with nanoscale barrier layers, KMU Innovativ, BMBF 10/13-09/15

## Membership of professional bodies

Scientific guidance of a working group from IVLV: Packaging of fresh products

## Latest presentations and publications

C. Stramm, R. Brandsch, „Nanotechnologie in Kunststoff. Innovationsmotor für Kunststoffe, ihre Verarbeitung und Anwendung“; HA Hessen Agentur GmbH (Hrsg.) Hessisches Ministerium für Wirtschaft, Verkehr und Landesentwicklung; 2009

S. Saengerlaub, P. Singh, C. Stramm, „Humidity Regulating Packaging Systems“, Food Marketing & Technology 24 (2010), 42-45

F. Loibl, M. Schmidt, A. Auer-Seidl, C. Kirchner, C. Holtz, K. Müller, C. Stramm, H-C. Langowski, „The Emptying Behaviour of Highly Viscous Liquids, Part II: Development of Test Methods and Evaluation of Untreated and Coated Films“, Journal of Adhesion Science and Technology, Special Issue on „Adhesion Aspects in Packaging“, Vol 26, Number 20-21 (2012) 2469

S. Sänglerlaub, C. Stramm, „Humidity Regulation“, Kunststoffe International 9 (2012), 66-68

Stramm, Cornelia; Schmid, Markus; Jost, Verena, „New approaches for food packaging concepts based on renewable resources“, MULTIVAC Academy interpack 2014

Stramm, Cornelia; Pant, Astrid; Sänglerlaub, Sven, „Funktionalisierung von Lebensmittelverpackungen durch aktive Materialien“, Fachtagung Extrusionstechnik 2014. Rigid Packaging, VDI Wissensforum GmbH