



11-13 June • Siegburg/Cologne

Renewable Material of the Year 2024



Innovation Award
Sponsor



Renewable Material of the Year 2024

- For the fourth time the innovation award “Renewable Material of the Year” will be granted for the development of new technologies and applications
- All renewable material solutions in one competition at the unique “Renewable Materials Conference” – from biomass, CO₂ and recycling
- Six innovations were nominated from 38 submissions. The conference participants will choose the winner.



Winners of the Innovation Award “Renewable Material of the Year 2021”



Organiser



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Plantics (NL) & Vepa (NL)
Most Sustainable Chair
Ever from Hemp Fibers
and Thermoset Bioresin



Carbios (FR)
First Clear Plastic Bottles
from Enzymatically
Recycled Textile Waste



LanzaTech (US/CH)
CO₂ Recycling for
CarbonSmart Cleaning



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Twelve Benefit Corporation (US)
Electrochemical CO₂ Transformation to Chemicals and Materials



Lactips (FR)
Plastic Free Paper™ with CareTips® – a Natural Polymer to Rethink Plastic



Eastman (US)
Material-to-Material Molecular Recycling Technologies



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KUORI – Bio-based and Biodegradable Elastic Materials
KUORI (CH)



Carbon-Light Yeast Oil
COLIPI (DE)



traceless® – Plastic-Free Natural Polymer
traceless materials (DE)



“Renewable Material of the Year 2024”

Further Innovations Submitted (Selection)

Copecto GmbH (DE)

Timbercard – the worldwide first, plastic-free wood payment card. www.copecto.com/TIMBERCARD

Unisport Saltex | Innograaf (FI)

Microplastic free biopolymer coated sand infill for use in FIFA approved soccer fields. www.saltex.fi, www.innograaf.com

i-Compology Corporation (JP)

We can contribute to marine plastic waste problem by marine biodegradable floats, fishing gears, aquaculture equipment etc., made of the biomass composite adjusted the marine biodegradation rate and melt properties suitable for molding methods, by selecting the type and blending ratio of plant biomass to biodegradable polymers.

UPM Biochemicals GmbH (DE)

UPM BioMotion™ Renewable Functional Fillers (RFF): A new and innovative material class designed to increase sustainability of rubber and plastic end-use applications. www.upmbiochemicals.com

CENER (ES)

OHRIGINS. Depolymerisation Technology ables to transform lignin/liquids of lignin into a natural antioxidant product with a total antioxidant activity 2–2.5 times higher than other commercial products and with a lower OPEX/CAPEX. www.cener.com

CropEnergies AG (DE)

Bio-based ethyl acetate produced from renewable ethanol in Europe – reducing your carbon footprint! www.cropenergies.com

Dow Silicones Belgium (US)

EcoSense™ 2470 Surfactant: Dow and LanzaTech have collaborated to launch a new surfactant EcoSense™ 2470 made from the unique and cutting edge technology of conversion of carbon emissions while enabling low temperature. www.dow.com

Revoltech GmbH (DE)

LOVR™ is a hemp based leather alternative – biodegradable and recyclable. www.revoltech.com

Floreon Technology (UK)

Floreon® Therma-Tech Description: A durable, halogen free and plant based alternative to flame retarded engineering polymers, achieving a UL94V-0 rating for fire resistance. www.floreon.com

Sustanix Materialtech (NL)

100% bio-based and degradable coating for paper packaging made from forestry waste. www.sustanix.com

Conference Advisory Board



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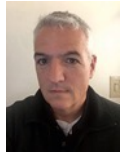
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We would like to thank the experts on the conference advisory board for their great help in selecting the best papers and innovations submitted.

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RENEWABLE
MATERIAL
2024

1

INNOVATION AWARD



Again (DK): Acetic Acid and Other Chemicals Derived from CO₂

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2

INNOVATION AWARD



Reselo (SE): Rubber Made from 100% Birch Bark

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3

INNOVATION AWARD



VAUDE Sport (DE): First-ever Wood-based Polyester Textile Product

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