



Transregional technological platform for transfer of advanced bio-polymers from lab to market - BioApp

NEWS

Acies Bio nominated entrepreneurial star by the publishing house Delo

Only ten companies in Slovenia get to be nominated as an entrepreneurial star by Delo. *Why Acies Bio?*

Well, besides being the BioApp partner, they are positioning themselves as valuable strategic partner in the field of biotechnology, not only in Slovenia, but also in other countries like China, India, Israel ... They are developing disruptive technologies, searching for new green production processes, while remaining dedicated to top scientific quality of their work.

[Read more](#) or watch video below (spoiler alert: the article and video are in Slovene)



Acies Bio: from start up to a very promising research company in the field of microbial biotech

KNOW-HOW

Every year, fish farming and crab catching create > 10 million tonnes of biomass, while a very big amount of shells from this industry present waste by-product. Crustacean shells are 20–40% protein, 20–50% calcium carbonate and 15–40% chitin. Chitin is the second most abundant natural biopolymer on Earth.

The curiosity and knowledge of BioApp partners contributes to the development of creative technologies, which involve biopolymers like chitin. We are developing smart, »zero waste«, biodegradable materials - innovations in the field of circular economy for biomedical, food and cosmetics industries.



Solution to reduce single-use plastic waste pollution

Collaborative research of BioApp partners culminated in the development of biodegradable active bags made out of films from chitosan biopolymer with added plant extract, which provides UV protection and has antimicrobial and antioxidative properties, on the basis of which we could conclude these bags prolong the expiration date of certain fresh food like fruits, bread, cheese, vegetables, etc.



Antimicrobial and antioxidative films from chitosan biopolymer

EVENTS



BioApp at CHISA conference

Right now, BioApp team from the National Institute of Chemistry, is participating at 23rd International Congress of Chemical and Process Engineering [CHISA 2018](#) in Prague. Dr. Marijan Bajić is having a presentation and poster on "Preparation and characterization of chitosan-based films enriched with algal polyphenol antioxidants" (authors: M. Bajić, M. Mojca Cajnko, U. Novak, B. Likozar) as part of Symposium on novel food processes and technologies.

MEET US AT:

[51th MOS business fair](#), Celje, Slovenia

[MIT Conference and Workshop 2018](#), Izola Slovenia

[12th Symposium of the European Society of Biochemical Engineering](#)

[Sciences](#), Lisbon, Portugal

[Euro Bio High Tech 2018](#), Trieste, Italy



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