

Biodegradable Compounds

By KIK Compounds





About us

KIK Compounds SRL is a Romanian company with Italian foreign investment, located in the city of Targoviste, specialized in the production of elastomer polymers and biopolymers compounds. Thanks to our experienced and dedicated team KIK Compounds' products are designed to meet the needs of different industries and sectors, such as footwear, automotive, toys industry, disposable tableware, packaging solutions, and many others.

KIK Compounds is very flexible in terms of customer requirements and offers the most suitable solutions in terms of polymers compounds based on quality and cost-efficiency.

Our focus on research and development, as well as our willingness to preserve the environment from plastic pollution, allowed us to develop elastomer compounds that are biodegradable and produced exclusively using renewable sources derived from recycled organic products. Our biodegradable eco-bioplastics are both environmentally friendly and of the highest industrial quality.

Company's activity

Besides the high-quality conventional polymeric compounds, KIK Compounds' biodegradable and bio-based compounds are developed and created in close collaboration with our customers, to ensure that "ecological choice" material of our industries does not compromise the performances of the traditional fossil-based elastomers.

KIK Compounds believes that people, today, should strive to keep the world clean without creating additional waste for future generations. The technology and innovations lying behind KIK Compounds' products have been already successfully implemented into the market and have marked an unprecedented industrial breakthrough.

The company's planning activities are focused on continuously resourcing sustainable materials with a low environmental impact, with a view to offering its customers solutions that are inspired by the Circular Economy principles - reusable and tastefully designed.

Our R&D, in constant contact with the main bodies involved in studying materials, is focused on creating high-performance products in terms of their reuse, recyclability, and food safety.

The objective is to keep refining the quality of our product through a regular assessment of the aerobic biodegradability degree of our polymeric materials under controlled conditions.

To broaden the scope of its research, KIK Compounds established an active partnership with Valahia University of Târgoviște, and mutual activities are performed in university's research-development-innovation dedicated facility - Institute for Multidisciplinary Research for Science and Technology. The two partners share a common vision on green transition towards a circular economy, and are fully engaged in developing RDI projects related to this topic.

This partnership also envisages human resources development. Regular internship programs of students from Faculty of Sciences and Arts, Chemistry specialization, will start the summer of 2022. Since this academic year, KIK Compounds is offering monthly scholarships for 2 students in their first year of license studies in chemistry.



Our mission

KIK Compounds was founded in 2016, with the ambition to eliminate plastic pollution through the development of sustainable innovative solutions in the market of elastomeric compounds. As 80% of the plastics currently produced remain in our landfills and oceans for approximately 1000 years, despite an average time of usage of a maximum of a couple of years, we wanted to provide industries with a product designed to never become waste.

Our values

A strong belief in innovation and our willingness to improve our living standards by solving the problems faced by today's society. Values should not be mere intentions, but they must guide our behaviors, both as producers and consumers.

Our vision

We want to preserve and expand our international leading position as producers of solutions that ensure sustainability and improve the quality of our environment, to meet growing customers' demand for top-quality conventional polymers, and to provide environmentally sound solutions in the framework of "zero-waste" initiatives. We want to develop innovative and unique collaborations among industries, universities, and customers, as we believe that joint projects and collective efforts are key to create a circular bio-economy model based on the regeneration of territories and on the protection soil and water.

Our target

Our target is to develop materials and products, including renewable sources, to provide solutions that have a low environmental impact and guarantee efficient use of resources throughout their life cycles, with social, economic, and environmental benefits for our industrial eco-system, promoting sustainable Corporate Social Responsibility.

Our certifications

Our certifications related to quality and environmental sustainability of our products, and to their recyclability in the framework of circular economy and food safety criteria, have been issued (or will be issued) by key bodies in these sectors, and they prove the professionalism of our work and our constant effort to develop solutions to constantly reduce the environmental impact of plastic materials.



At KIK Compounds, we work hard to eliminate plastic pollution using renewable and sustainable sources. We started developing and producing our products because we believed that only technological innovations can help industries and customers make the world greener. We knew that traditional plastics represent a major problem, and so we decided to find a practical solution.

Now, you can also be part of this solution by choosing eco-biodegradable bioplastic materials that preserve the quality of traditional plastics but have zero environmental impact.



OUR PRODUCTS

Our future depends on the choices we make today!



OUR PRODUCTS

Every day, plastic plays a crucial role in our life: from the shoes we wear to the toys our children play with. Plastic preserves our food and protects our devices.

However, the effects of plastic pollution are very serious. Large plastic pieces injure, suffocate, and kill marine animals, including protected and endangered species such as sea turtles.

At KIK Compounds, we work hard to eliminate plastic pollution using renewable and sustainable sources.

If you want to make a difference, buy sustainable and biodegradable alternatives to traditional plastics!



Biodegradable Thermoplastic Elastomers

- B Series Compounds
- BM Series Compounds
- EvoGum Series Compounds

Application

- MULCHING FILM
- PACKAGING
- TEXTILE
- CUTLERY
- TOYS
- FOOTWEAR

MULCHING FILM

Mulch films are used to increase the yield, speed up harvesting as well as save water and herbicides.



PACKAGING

Scientists concluded that plastic bags take 500-1000 years to decompose, and plastic waste generally kills more than a million birds and more than 100,000 mammals and marine fish each year.

Biodegradable bags can solve this problem, as they can be broken down by bacteria or other living organisms faster than traditional plastic bags.



OUR DETAILS

KIK Compounds produces biodegradable compounds that replace more than 70% of traditional fossil-based elastomers with renewable plant-derived sources. KIK Compounds is, indeed, committed to protect the environment and to make our planet safer and cleaner for future generations.

TEXTILE

Our planet suffers from tons of plastic waste. Because we care about our planet, let's aim to reduce plastic waste using biodegradable yarn.



CUTLERY

Biodegradable cutlery reduces pollution, uses less energy, limits the use of non-renewable resources and generally produces less waste.



TOYS

Toys contribute to children's growth. As adults read books to improve themselves, children play with toys to develop different skills, such as social or motor skills. It is important to use sustainable materials to produce these toys.

Eco-biodegradable toys contribute to make the world cleaner and safer for future generations.



FOOTWEAR

Eco-biodegradable materials help climate and nature for the future of our planet!



**A SMALL GESTURE CAN
SAVE THE PLANET !**

Member of

European Bioplastics



KIK COMPOUNDS

Thanks to the knowledge and experience gained in the past 20 years, KIK Compounds produces biodegradable and bio-based elastomers which have the same physicochemical specifications as traditional fossil-based elastomers.

KIK Compounds produces highly customized biodegradable and bio-based elastomers, in close cooperation with clients, to match their requests and needs.

KIK Compounds is currently focusing on a constant evolution of its production system, and multiple RDI activities are performed within the partnership established since 2020 with Valahia University of Târgoviște. Actions mainly aim at boosting the implementation of circular economy principles in design and production of bio-based polymers, including multi-perspective characterization of technology, and aerobic and anaerobic biodegradability assessment of final products.

Company Website: kikcompounds.ro

CERTIFICATIONS

GRS

GLOBAL RECYCLED STANDARD 4.0
(GRS 4.0)



Certified use of the "Ok Biobased" conformity mark

At KIK Compounds, we want quality and innovation to go hand in hand with the protection of the environment. This is why we support a new green industrial revolution and we want European economy to focus on sustainability. Our goal is to increase the use of recycled materials in the production process.

KIK Compounds aims at highlighting the positive impact that recycled materials have on the environment.

TUV AUSTRIA

CERTIFICATE FOR AWARDING AND USE
OF THE "OK BIOBASED" CONFORMITY
MARK TA8072106001



RCS

RECYCLED CLAIM STANDARD
2.0 (RCS 2.0)



TUV AUSTRIA

CERTIFICATE FOR AWARDING AND USE
OF THE "OK COMPOST INDUSTRIAL"
CONFORMITY MARK TA 8012206559



CORPORATE SOCIAL RESPONSIBILITY



- The first steps in a company are very important in everyone's career, from the practical knowledge that is beginning to assimilate, to building self-confidence and developing team spirit.

Valahia University of Targoviste has launched an internship program in collaboration with KIK Compounds. This internship program offers students and recent graduates the opportunity to gain direct practical experience with work in the field of "Finance and Banking" and "Chemistry".

Through this Internship, students will not only gain knowledge but will become more responsible, more efficient and more organized, thus developing a variety of soft skills essential to any job.

- KIK Compounds offers merit scholarships to students in the Faculty of Science and Arts, specializing in Chemistry.

- During the "Touch Man" competition, KIK Compounds offered support in carrying out the event with one of the most beautiful mountain running trails in the Bucegi Mountains.



"BEING PASSIONATE IS THE KEY TO SUCCESS"

MEDIA APPEARANCES

ECONOMIA [MERCATO]

La plastica biodegradabile può restituire all'Europa la leadership industriale, grazie alla capacità di mantenere caratteristiche analoghe a quelle delle plastiche di origine petrolchimica, sono in crescita. Una stretta collaborazione tra imprese e ricerca può portare a ulteriori sviluppi.

Plastiche biodegradabili, una chance per l'Europa

La plastica è fatta di fibre cellulari orientate in un unico senso. Questo, unitamente ad altre caratteristiche, le conferisce una resistenza meccanica e una elasticità che le permettono di essere usata in una vasta gamma di applicazioni. Per questo, le plastiche biodegradabili sono in grado di mantenere le stesse caratteristiche di resistenza e elasticità delle plastiche tradizionali. In questo modo, le plastiche biodegradabili possono essere utilizzate in una vasta gamma di applicazioni, come ad esempio nei contenitori per alimenti, nei giocattoli, nei prodotti per l'igiene personale, ecc.

PLAST - Rivista delle Materie Plastiche

Emballages Magazine

Plastica biodegradabile: una via per restituire all'Europa la leadership industriale

Da problema a soluzione: la plastica è una delle principali cause di inquinamento e ci sono sempre maggiori evidenze in relazione ai danni provocati all'ambiente. Difficile peraltro abbandonarla a meno di trovare soluzioni che consentano di replicare la sua stessa comodità e funzionalità. È la visione di Germano Crata, Chief Executive Officer di Kik Compounds e la fondamentale differenza tra bioplastiche e plastiche biodegradabili.

Emballages Magazine

ESG360 - Digital360

Plastici biodegradabili per la industria del calzato

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ESG360 - Digital360

Magazine 'Técnica del Calzado'

Plásticos biodegradables para la industria del calzato

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Magazine 'Técnica del Calzado'

Sustainable Plastics UK magazine

Biodegradable plastics can restore Europe's industrial leadership

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Sustainable Plastics UK magazine

Lampoon Magazine

Materiali biodegradabili anziché plastica tradizionale

Nell'Europa post-Covid19, la produzione di plastiche biodegradabili e di ecobioplastiche non rappresenterebbe solamente un'importante ambizione ecologica, ma anche una grande opportunità industriale per la ripresa economica in tutto il continente.

Lampoon Magazine

Costruire Stampi magazine

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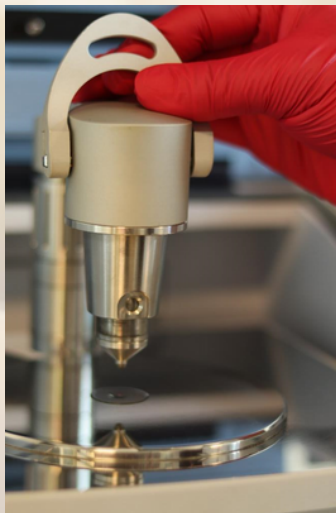
Costruire Stampi magazine

EuractivFrance

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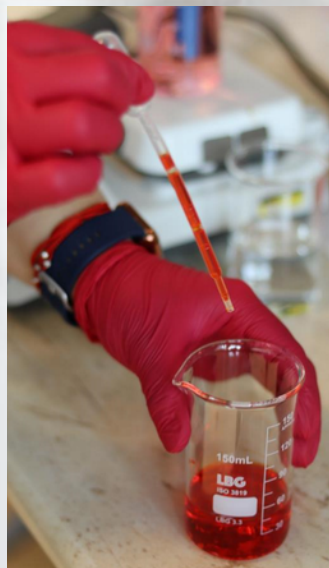
EuractivFrance



Research and innovation for optimal design and valorization of materials, in the context of the circular economy.



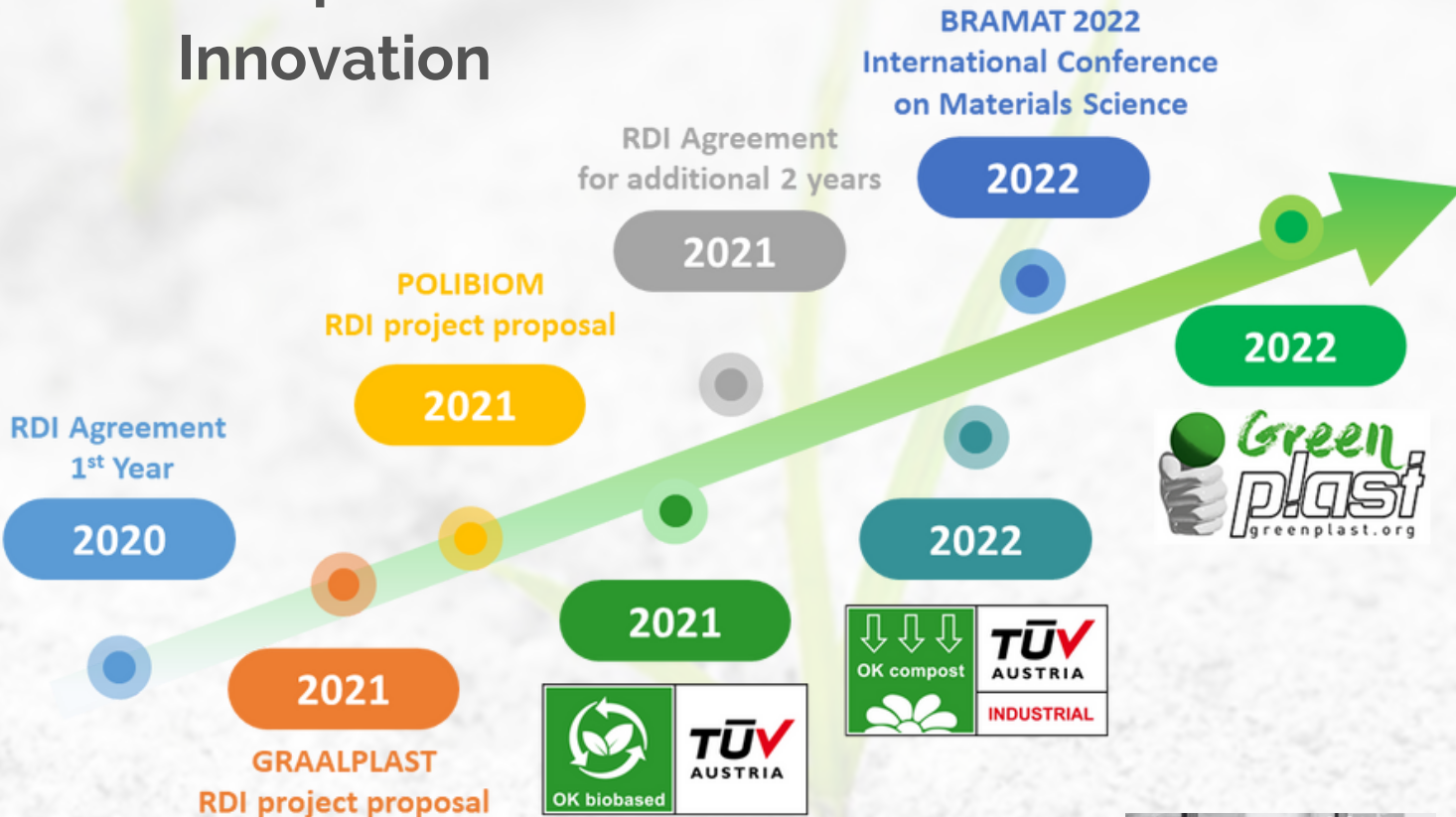
Biodegradability studies of advanced polymer composites in different environments.



Development of polymer composites with a low ecological footprint (product and technology) .



Research, Development & Innovation



KIK Compounds & Valahia University



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