Award Recipients in the 2018 GC3 Challenge for New Preservatives

First Place Winners:

Avisco Ltd.

http://www.inulav.com/

Avisco Ltd. is a biotechnology and specialty agriculture company that has introduced the medicinal plant Inula Viscosa from the wild and developed large scale cultivation and extraction technologies. The company has developed a standardized Inula Viscosa extract-based preservative and anti-oxidant; marine anti fouling agent and and topical treatments for people.

IMD Natural Solutions GmbH (INS)

http://www.imd-natural-solutions.com/

IMD Natural Solutions GmbH (INS) develops, produces and delivers innovative naturally-derived additives and bioactive ingredients for the fast-moving consumer goods industries. INS specializes in natural preserving agents with its core antimicrobial product GLYCONEX™ positioned as a sustainable and safe alternative to established solutions.

Irena Jevtov Research & Innovation

www.linkedin.com/in/irenajevtov

Irena Jevtov Research & Innovation develops technologies in the fields of biotechnology, biomedicine, and products for everyday use. A large part of the innovation portfolio is dedicated to safe, sustainable, science-backed preservatives for cosmetics, focused on well-defined single compounds or low-complexity mixtures of natural origin with broad-spectrum antimicrobial effect.

United States Department of Agriculture/People Against Dirty/Berkeley Center for Green Chemistry/University of Victoria/Safer Made

https://www.ars.usda.gov/pacific-west-area/albany-ca/wrrc/

https://methodhome.com/
https://bcgc.berkeley.edu/
https://onlineacademiccommunity.uvic.ca/greensafewater/
https://www.safermade.net/

USDA/People Against Dirty/Berkeley Center for Green Chemistry/University of Victoria/Safer Made—a multi-disciplinary, multi-institution team of innovators in green chemistry, microbiology, and toxicology—is developing a "reversible" molecule that functions as a preservative during use, then dissociates to inactive, benign, and biodegradable subcomponents after disposal in wastewater.

Second Place Winners:

A.N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences

http://www.ineos.ac.ru/en/

A.N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences in Moscow developed oligochitosan hydrochloride, an extensively depolymerized chitosan material that has very low molecular weight and broad spectrum antimicrobial activity for use in cosmetic compositions (gels, lotions and creams), medical products, food, beverages and home-care products.

Hydromer, Inc.

http://hydromer.com/

Hydromer, Inc. is an innovative technology driven company engaged in inventing, developing, patenting and licensing into biotech-markets. Hydromer's patented, natural, herbal-based technology combines Carvacrol—an herbal active—with lecithin for a superior natural preservative.

Third Place Winner:

Chinova Bioworks

https://www.chinovabioworks.com/

Chinova Bioworks has developed a broad spectrum natural antimicrobial ingredient from a fiber extracted from white button mushrooms. This fiber, chitosan, is an effective clean label

alternative to synthetic preservatives, which can target specific spoilage microbes and provide broad spectrum coverage.

For more information please contact the GC3 at gc3info@greenchemistryandcommerce.org.

www.greenchemistryandcommerce.org