



News Release

Ashland sparks interesting conversations about healthy solutions with three technical presentations during Supply Side West trade show

WILMINGTON, Delaware, November 5, 2018 – To engage audiences and spark interesting conversations about healthy solutions, Ashland is presenting technical research concurrently during the SupplySide West trade show.

Gut-Brain-Axis: New Study: Probiotic Supplementation Improves Mental Health in Healthy Women

Dr. Ralf Jaeger, FISSN, CISSN, MBA Managing Member, Increnovo LLC, and Senior Scientific Advisor to Ashland, will present his research on Thursday, November 8 at 1:00 p.m. in the IPA Pavillion.

Probiotics have been linked to improved mental health through the gut-brain-axis by decreasing inflammation and increasing neurotransmitter availability. This new study examines the effect of probiotic supplementation (Probiotical, Italy) on psychological well-being, as measured by changes in mood (e.g., depression, anxiety, cognitive reactivity to sad mood), personality dimensions, and quality of sleep. Six weeks of probiotic supplementation in healthy women resulted in a significant improvement in mood with a reduction in depressive feelings, anger and fatigue, and an improvement in sleep quality.

Nutritional supplement solutions for the organic minded consumer

Thomas Durig, senior R&D director, Pharmaceutical and Health and Wellness, Ashland, will also present on Thursday, November 8, at 1:00 p.m. in the Exhibitor Presentation Theater.

With the burgeoning consumer demand for organic supplements and organic certified formulation aids, excipients and formulation technologies that enhance and enable the efficacy, manufacturing efficiency, consumer experience, allure, and profitability of nutritional supplements are needed. This presentation focuses on recent developments and case studies highlighting organic tablet binder and coating solutions, including titanium dioxide-free pigmented coatings. Organic powder shakes, controlled release and fast melt sprinkle technologies will also be discussed.

Enhancing your product's performance with particle engineering solutions

Robert McCrimlisk, director of business development, Health and Wellness, Ashland, will present on Thursday, November 8, at 1:20 p.m. in the Exhibitor Presentation Theater.

Manufacturers can enhance the functionality and performance of powdered products by modifying particle morphology and by manipulating the particles in their powder blend, changing the density, altering the rate of dispersion or minimizing segregation. This seminar walks the audience through the various powder processing techniques and explains how each can add value to products by redefining shape, size, and composition.

More information about Ashland at SupplySide West can be found at www.ashland.com/ssw

REBRAND® 2018 Winner of Distinction

In February, Ashland was recognized as a 2018 Winner of Distinction by REBRAND®, the pioneer awards program for branding and the leading global resource for case studies on effective brand transformations, repositioning, revitalizing and redesign of existing brand assets to meet business goals. The REBRAND® 100 awards are not a "beauty pageant," but rather they are based on bona fide business challenges and the brand strategy applied to accomplish the business objectives. Ashland was recognized this year among other prestigious winners such as COTY, Cadillac, Hewlett Packard, Siemens and more. <https://rebrand.com/> and <http://www.ashland.com/pages/rebrand-100>

About Ashland

Ashland Global Holdings Inc. (NYSE: ASH) is a premier global specialty chemicals company serving customers in a wide range of consumer and industrial markets, including adhesives, architectural coatings, automotive, construction, energy, food and beverage, nutraceuticals, personal care and pharmaceutical. At Ashland, we are approximately 6,500 passionate, tenacious solvers – from renowned scientists and research chemists to talented engineers and plant operators – who thrive on developing practical, innovative and elegant solutions to complex problems for customers in more than 100 countries. Visit ashland.com to learn more.

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