



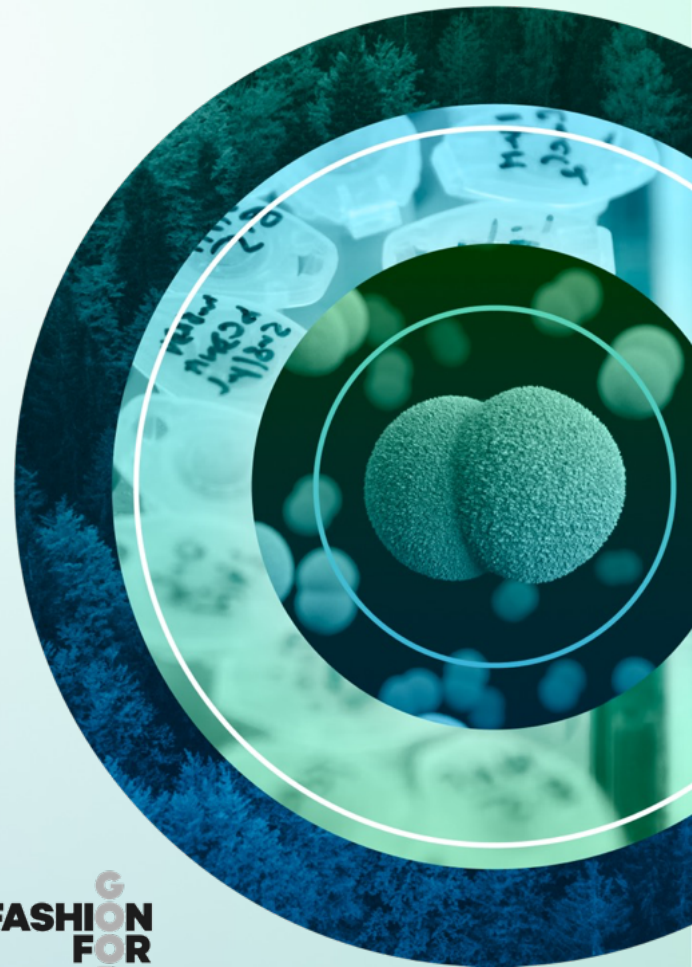
ZYMOCHEM

Commercialization of Bio-based Nylon 66

**ITMF ANNUAL CONFERENCE & IAF WORLD
FASHION CONVENTION 2025**

ZymoChem is breakthrough science for a fossil-free future.

We accelerate the transition to a real-zero economy by developing **bio-based materials for everyday products.**



ZymoChem's Bio-Manufacturing Process

Petro-chemical Manufacturing of Yesterday

19th-20th Century

High-carbon intensity manufacturing + fossil-dependent chemistry has left a **toxic legacy** behind

- Pervasive Microplastics
- PFAS & Other Forever Chemicals
- GHG Emissions & Rising Global Temps
- Extreme Weather Events

Industrial Bio-Manufacturing fit for Today

21st Century



Designing products with the end in mind:

- Plant based feedstocks
- Low GHG emissions
- Produced without a green premium
- Distributed production
- Performance delivers on consumer needs

Our traction showcases shift in direction currently at play in 21st Century manufacturing

Our Breakthrough Bio-Based materials Touch every part of life



FERMENTATION IS NOT NEW



BEVERAGES



BREADS



FUELS

1,4 – Butanediol (BDO)
Spandex

1,3 - Propanediol (PDO)
PTT Fibers

NYLON

gives you something extra



Solid comfort under the Christmas tree! Men's easy-wearing nylon shorts and tops are a snap to wash and dry, need little or no ironing—new convenience for the Man Who Travels. How they wear!



Holiday sportmen cheer for sturdy nylon ski jackets! They're comfortable—and they're light. They're tough to tear—and they take all the long, hard wear you give them winter after winter!

it all started with a stocking

—and now—this Christmas—just look at all the wonderful things you can buy of nylon! Sheer pretties—and pretty practicals. Long-wearing lovelies—and lovely washables! For holiday giving—there's no end to the happy, easy-living parade of fashions in nylon!

Warm welcome for Santa Claus! Nylon nighties keep young ones cozy; keep their shapes, too, after a quick tubbing. Thrills note: they'll last through many a journey to the Land of Nod.

HAVE A MERRY CHRISTMAS—have a Christmas tree with lots of bright packages underneath—filled with welcome gifts of nylon—things to wear and use all year round!

There are lovely, lacy nylon bed jackets, tough nylon luggage, frilly—or snugly tailored—nylon blouses, rugged nylon fishing lines; fluffly, warm nylon sweaters; tough, washable golf jackets.

Nylon gives you—at Christmas and the whole year round—strength; easy washing; fast drying; light weight; moth-, per-

piration- and flame-resistance—and of course, nylon can be "heat-set" to hold its shape. Nylon Division, E. I. du Pont de Nemours & Co. (Inc.), Wilmington 98, Delaware.



DON'T STOP HERE! Homemakers, thrifty shoppers, club-women, students, write today for new free book, "Nylon Gives You Something Extra." MANUFACTURERS: send for "Nylon Textile Fibers in Industry." Nylon Division, E. I. du Pont de Nemours & Co. (Inc.), Wilmington 98, Delaware.

Du Pont makes only the nylon fibers—not the finished products shown here.



BETTER THINGS FOR BETTERIVING
... THROUGH CHEMISTRY

FOR NYLON... FOR RAYON... FOR FIBERS TO COME... LOOK TO DU PONT

Nylon-6,6

Adipic Acid

1,6-Hexamethylenediamine

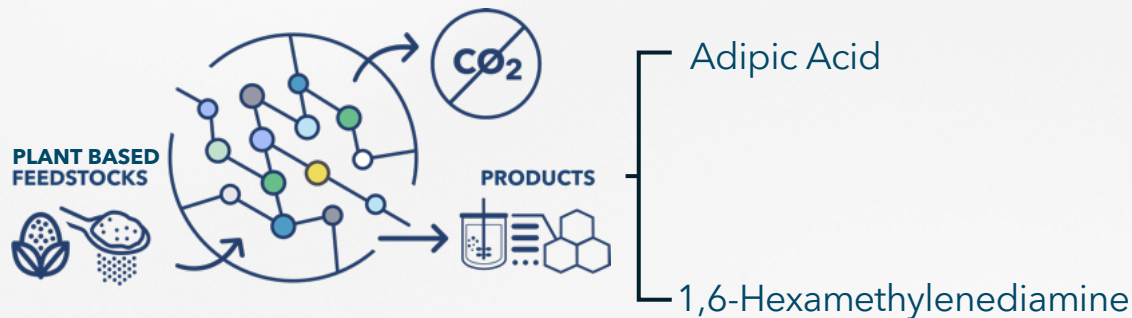
Carbon-intensive manufacturing: CO₂ and NO_x emissions

Sourcing: Nylon 66 production from fossil based inputs

Unsustainable environmental and climate footprint globally



The World's Most Carbon Efficient Biomanufacturing Platform



ACHIEVEMENTS

- Patented microbes, and production process
 - 7 Patents Awarded; 50+ Patents Pending
- Proprietary chemistry + carbon efficient biomanufacturing delivers drop-in performance and cost advantaged bio-based materials

BENEFITS

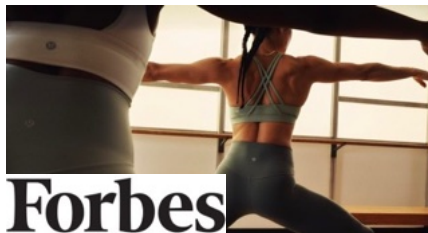
-  Low or No CO₂ production
-  No Green Premium
-  Scalability Unlocked
-  High performance bio-based materials



Is there a plastic-free future for your leggings?

M A Y ' 2 5

[Click to Read](#)



Can Lululemon Solve The Sustainable Nylon Problem?

M A R C H ' 2 5

[Click to Read](#)



Shrinking the carbon footprint of yoga pants

A P R I L ' 2 5

[Click to Read](#)



ZymoChem Debuts Scalable Bio-Based SAP

M A R C H ' 2 5

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ZymoChem Featured on CNBC's "Clean Start" Series

J U N E ' 2 5

[Click to Watch](#)

Working with an entire ecosystem to bring
100% plant-based nylon 66 to consumers



Thank You



www.zymochem.com



harshal@zymochem.com



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