

Welcome to Presentation
BIOCHEMICALS INDUSTRY

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Biochemicals

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What are Biochemicals

The term biochemical refer to any chemical compound which is part of the makeup of living cells. The major biochemicals are carbohydrates, lipids, proteins, and nucleic acids



Biochemicals

What is a protein in biochemistry?

Biochemistry/Proteins. ...

Each **protein** is linear polymers built of amino acids. **Proteins** are also nutrient sources for organisms that do not produce their own energy from sunlight and/or are unable to fix nitrogen. **Proteins** can interact with one another and with others molecules to form complexes.



Biochemicals

Protein is the basic component of living cells and is made of carbon, hydrogen, oxygen, nitrogen and one or more chains of amino acids. The three **types of proteins** are fibrous, globular, and membrane.



Biochemicals

What are lipids?

Lipids are

- biomolecules that contain fatty acids or a steroid nucleus.
- soluble in organic solvents, but not in water.
- named for the Greek word *lipos*, which means “fat.”
- extracted from cells using organic solvents.



Biochemicals

GREAT CARBS eat me anytime!



Leafy Greens
(kale, spinach, romaine lettuce)



Cruciferous Vegetables
(broccoli, brussels sprouts,
cabbage, collards, cauliflower..)



Berries

GOOD CARBS eat me sometimes!



Starchy Veggies
(sweet potato, potatoes, squash...)



Sweeter Fruits
(bananas, pineapple, papaya...)



BAD CARBS eat me rarely/never!



Grains
(rice, breads, cereals...)



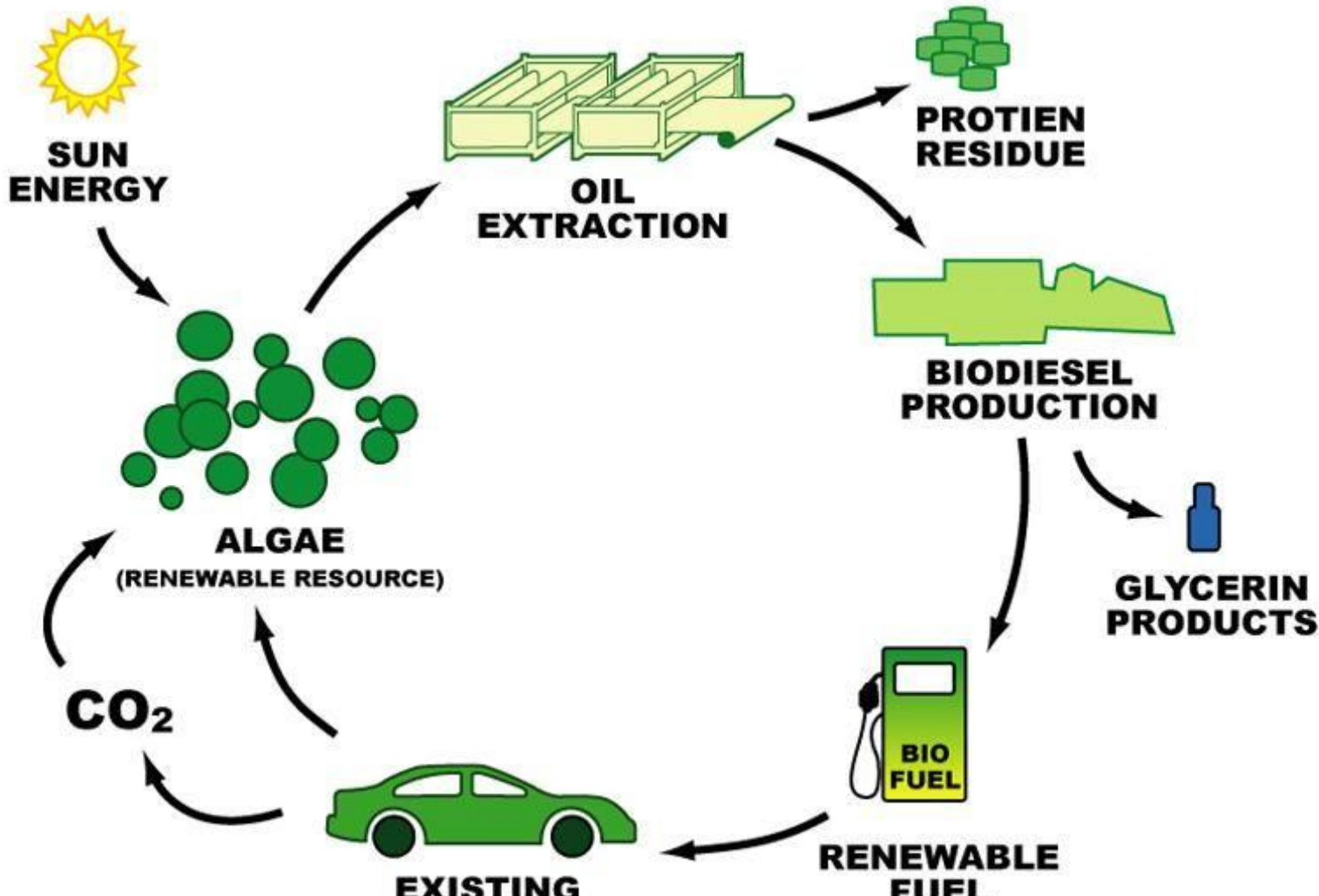
Sugary Drinks
(soda, juice, sports drinks...)



Sugary Snacks
(cookies, candies...)

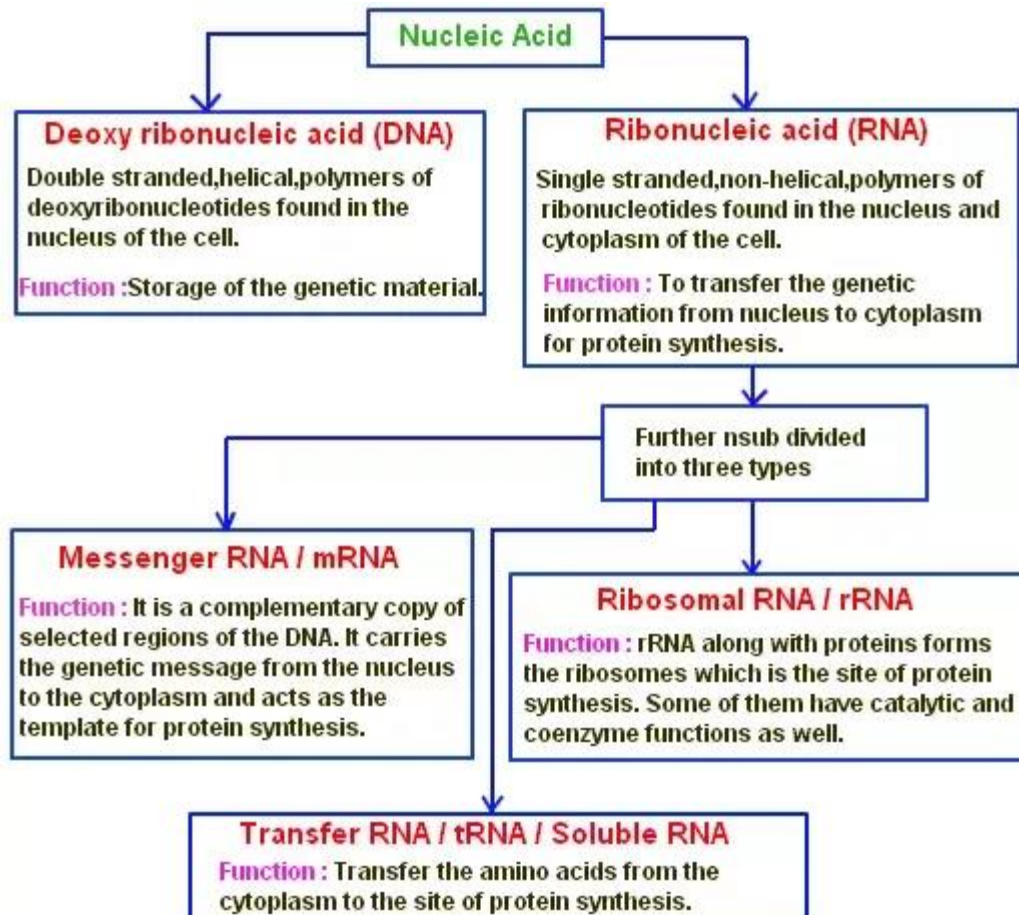


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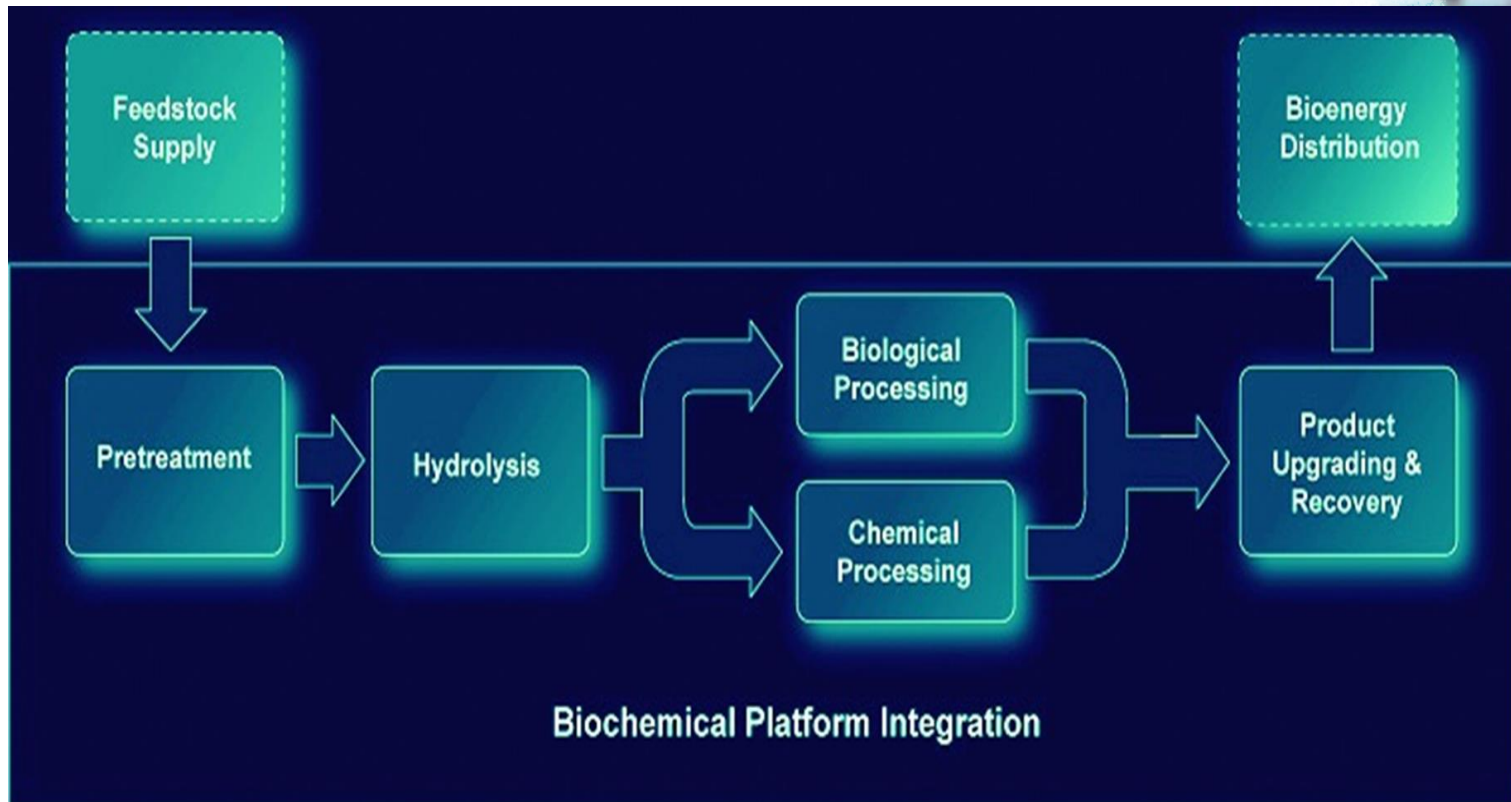
Biochemicals

Nucleic acids

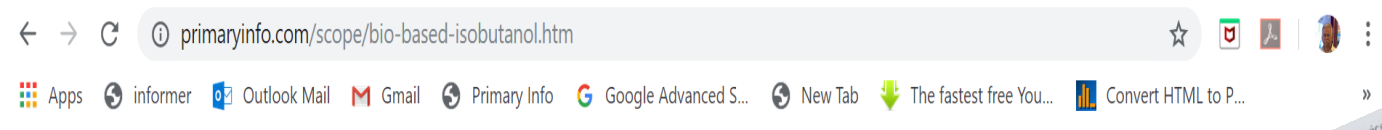


Biochemicals

PROCESS



Biochemical Data Bases from primaryinfo.com ...more

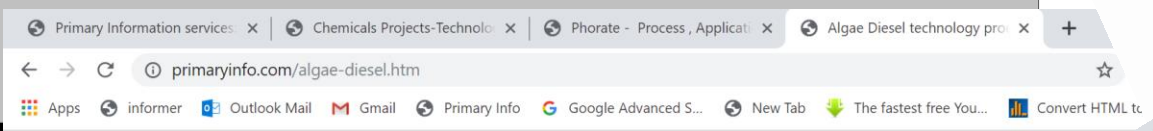


Bio-Based Isobutanol

Patent, Company, Consultancy, Report, Raw material, MSDS, Study, Technology

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Algae Diesel

Projects, Primary Information Services

Bio-based Methanol

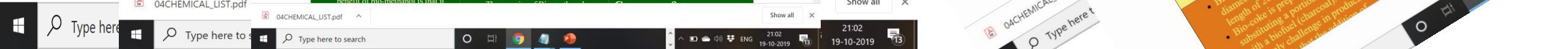
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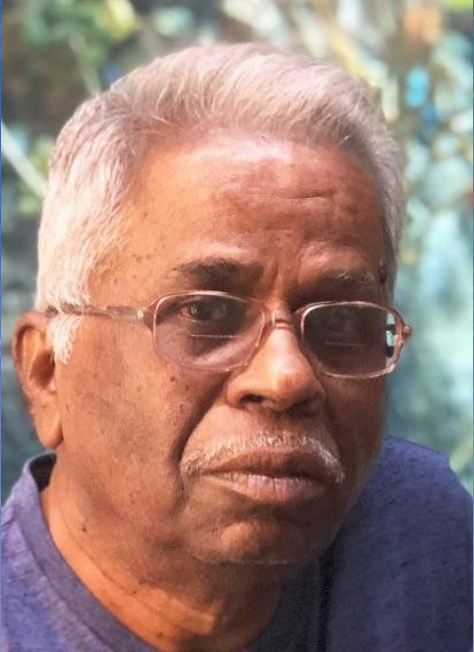
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Project at a Glance	Contents on the CD ROM	
<ul style="list-style-type: none">As a fuel, bio-methanol can either be blended with petrol, or it can be used as a feedstock for other environmentally friendly fuels.It is also used for a variety of non-fuel applications including plastics and paints.As well as being green, the great benefit of bio-methanol is that it	General <ul style="list-style-type: none">BioMCN, ED&F man sign supply deal for Argentine glycerinBiomethanol: A 2nd generation Bio fuelBio-based chemicalsBioMCN and Bio methanol	Raw material suppliers <ul style="list-style-type: none">Rice strawRice branSorghumSawdustGlycerine



QUESTIONS?



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