

# Green Science Alliance



**Research and Development of Cutting Edge Technology in  
the Field of Energy and Environmental Green Science**

**100 % Biomass based Resin Materials  
No Petroleum**

**Nano Cellulose Composite**

**Green Science Alliance Co., Ltd.**

**Establishment : 2010**

**Annual Sale : 1.5 million USD**

**Head Office : 2 - 22 - 11 Obana**

**Kawanishi-city, Hyogo prefecture, Japan**

**Branch and Factory : Tokyo Sales Office**

**Number of Employees : 11**

**Main business is the research and development of cutting edge technology in the field of energy and environmental green science.**

# Problems and Directions

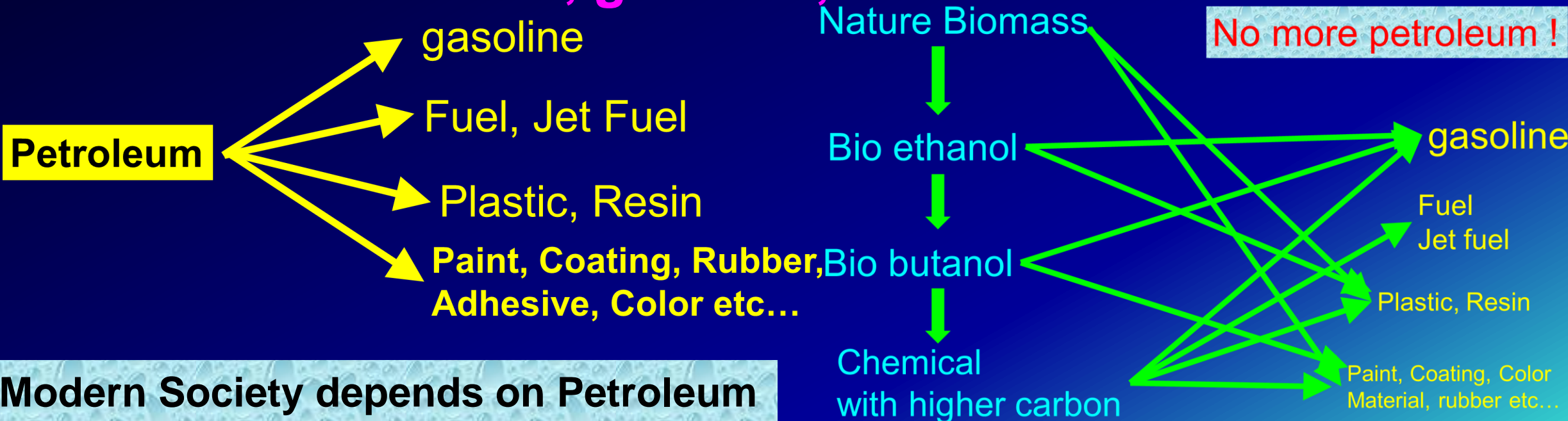
Petroleum based society → **Nature Biomass** based Society

**No more petroleum**

2. Electricity from coal, Petroleum → Renewable Energy

Electricity (**Solar Cell, Fuel Cell, Rechargeable Battery**)

3. Global warming caused by CO<sub>2</sub> increase. → **CO<sub>2</sub> capture and conversion to fuel, gasoline, chemicals**



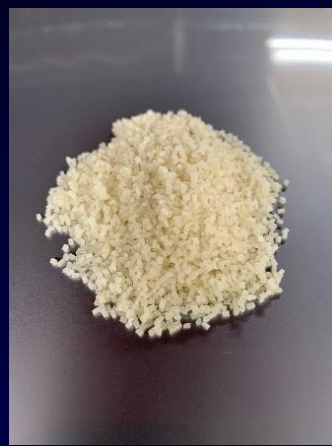




**Nano Cellulose +  
PLA Composite  
Resin for  
Injection, Blow  
Molding (100%  
Biomass, no  
Petroleum)**



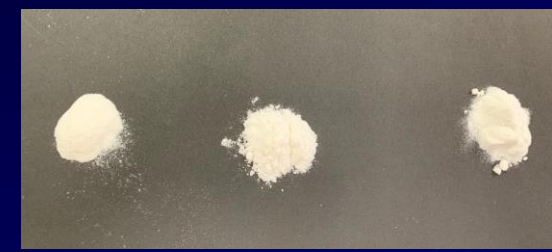
**Waste Wood,  
Bamboo, Plant,  
Waste Paper, Waste  
Food based  
Biodegradable Resin  
(100% Biomass,  
no Petroleum)**



**Starch based  
Biodegradable  
Resin(100% Biomass,  
no Petroleum)**



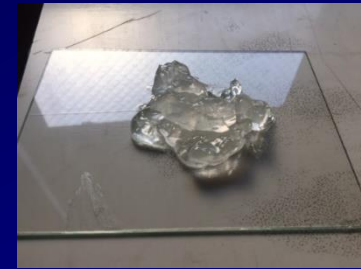
**Cellulose based  
Biodegradable  
Resin  
(non-edible  
Biomass)**



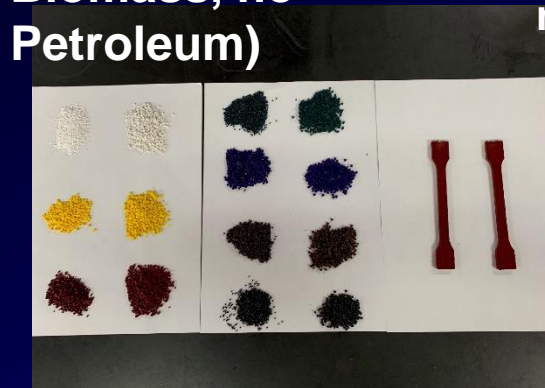
**Biomass based Biodegradable  
Resin Microbeads, Powder**



**100 % Nature  
Biomass  
Biodegradable  
cup, plate**



**Nano Cellulose**



**Biomass  
Biodegradable  
Resin + Color  
Masterbatch**



**Biomass  
Biodegradable  
Film**



**Biomass  
Biodegradable  
Fiber, Yarn,**



**Biodegradable  
Film Bag**



**100 % Nature  
Biomass  
Biodegradable  
Tooth Brush**



**Biomass  
Biodegradable  
Resin with anti-  
bacteria, anti-  
virus Effect**

# **Biomass Biodegradable Resin**





**100% Nature Biomass based Biodegradable Bottle (Trying to replace all PET bottle in the world)**



**Biomass Biodegradable Coating Resin**



**Biomass ink, Paint**



**Biomass Biodegradable Resin Paint with anti-bacteria, anti-virus Effect**

Our Biomass Biodegradable Resin Technology was registered at **United Nation Technology.**



**100% Nature Biomass based Fake Finger Nail (Trying to make Biomass based Nail Color Now)**

Proud partner of **WIPO GREEN**



# Advantages to Competitor

	Competitor	GreenScience Alliance
Mass Production by Molding	Petroleum based Additive is Necessary	100 % Biomass, no Petroleum
Biomass (edible or non-edible)	Corns, Sugarcanes, Grain, Potato (Food for Human)	non Edible Biomass, Cellulose from Waste Wood, Waste Paper etc...
Biomass Waste as Raw Material	none	Waste Wood, Waste Paper, Waste Food etc... as Raw Material
Anti Bacterial Effect	None	Anti Bacterial Effect Biomass based Biodegradable Resin



**Biomass based products to replace plastic, resin, coating, adhesive, paint, ink, color, rubber etc... Various types of chemical products based on Biomass, Biodegradable. Nano Cellulose Composite All Nature Biomass, No more Petroleum !!**

**Our Technology is registered at United Nation Technology. We have a few patents already and get more.**



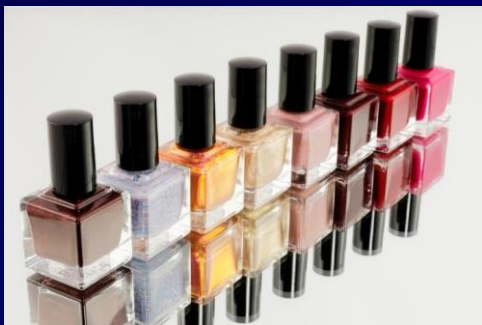


**100% Nature  
Biomass  
Artificial  
Finger Nail  
First time in  
the world !!**

**Recently, TV, Radio, Internet News !!**

Artificial nail, as high profit product (cosmetic).

Not only nail tip but also nail color, top coat, remover,  
adhesive with **100 % biomass !!, no petroleum**



**Cooperation with  
Cosmetic Industry,  
Nail salon**

Thank you for your interest