Circular Economy In Supply Chain Management of Citrus Fruits

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Introduction
Research Problem

Approximately 70 Million Tons of citrus waste is produced globally which is mainly disposed.
Objectives

Reduce citrus waste

Supply Chain Management Design

Valorization of Citrus wastes

Sustainability
Supply Chain Network

Agriculture Input

- Small Growers <5 acres
- Medium Growers 5-25 acres
- Large Growers >25 acres

Domestic Market

Fruits Shops & Vendors

Departmental Stores & Supermarkets

Exports

Processing Waste

Pre Processing Waste

Biodiesel, Preservatives, Phytochemicals, Essential Oils, Fertilizers

Cold Pressing, Solvent Extraction, Supercritical CO2 Extraction

Peel, Pulp, Seed, Albedo
Sustainability

Economical
Profit, cost savings, Economic growth

Social
Job Opportunities

Environmental
Waste Management, Pollution prevention, land, water, air

Waste Management
Pollution prevention, land, water, air

Profit, cost savings, Economic growth
SDGs

- 7 Affordable and Clean Energy
- 12 Responsible Consumption and Production
- 8 Decent Work and Economic Growth
- 13 Climate Action
Thank you