





Day 1:

Monday, 13/6/2022

WASTE MANAGEMENT IN TEXTILE PRODUCTION

13:00 - 13:45



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WASTE MANAGEMENT IN TEXTILE PRODUCTION - HaUI

- Impact of textile production on the environment and improvement measures
- Effects of textile production on human health
- III. Wastes from spinning, weaving, finishing and sewing
- IV. Cleaner production in the textile industry
- V. Summary

Impact of textile production on the environment and improvement measures





Causing air pollution



Contaminating the water environment



Causing pollution by solid waste



i. Impact of textile production on the environment and handling measures



General wastewater treatment methods:

- Physical treatment of wastewater
- Mechanical treatment of wastewater
- Chemical treatment of wastewater
- Biological treatment of wastewater
- Wastewater treatment by oxidation

ii. Effects of textile production on human health



Types of pollution:



Chemistry substances

Acids, bases, bleaching agents, dyes, surfactants, etc.



Dust and toxic gases

Dust particles, toxic gases, ...



Noise

Machines, loud sounds, ...











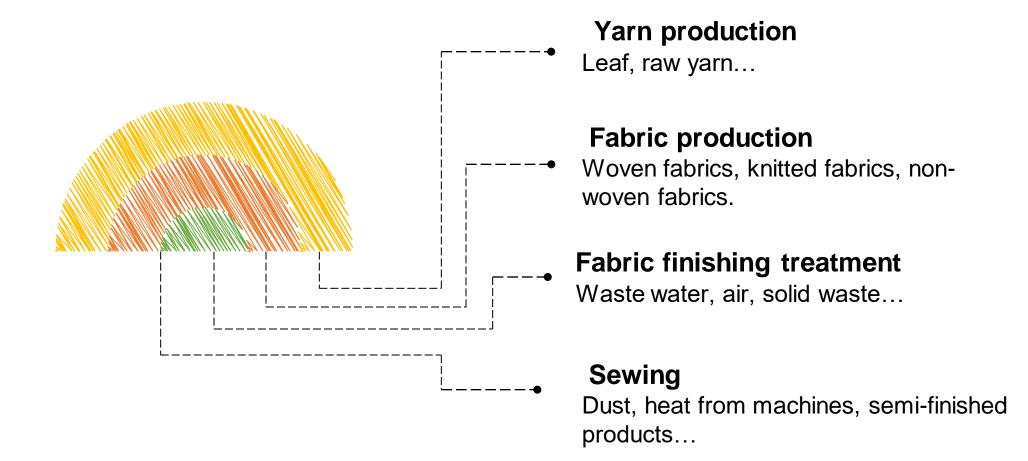
Types of pollution:



Noise

- Impaired hearing
- Affects the ability to communicate
- Impact on heart, psychophysiology, behavior change...









Yarn Production

- Waste is generated mainly during the first step of fiber cleaning and carding
- Cotton fiber: Branches, leaves, soil...
- Wool: Oil, grease, moisture...
- Silk: Plastic, glue...





Fabric Production

- Woven fabrics, knitted fabrics and non-woven fabrics
- Waste: Yarn, fabric, packaging material, metal, machine oil...







Fabric finishing treatment

Waste:

- Wastewater: Chemicals, dyes, auxiliaries...
- Air: chemical vapors, toxic gases...
- Solid waste: Bags, packages, oil residue, cotton flakes...



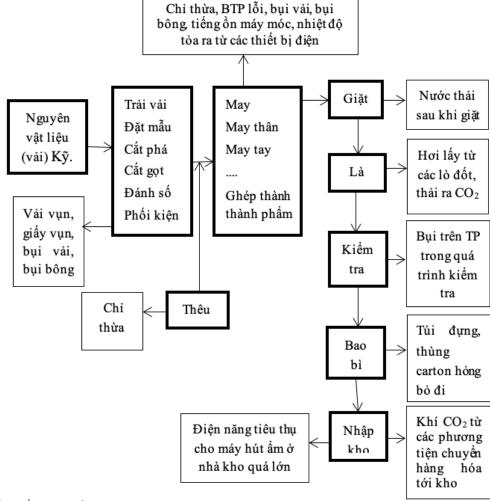


Some effects of pretreatment on the environment

iv. Cleaner production in the textile industry



Diagram of wastes released in the production of textile products







Application (6 steps 18 tasks)

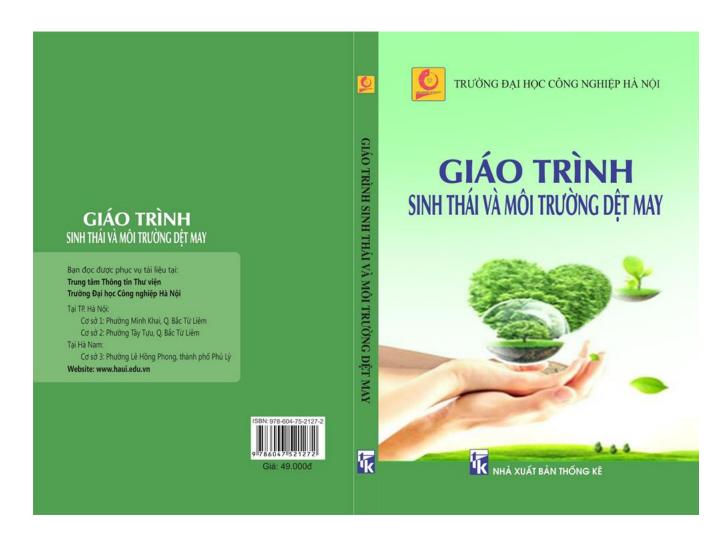
Current status, solutions, application of cleaner production in garment production.

Implementation and evaluation

Process, principles, obstacles and solutions

Cleaner production facility

Concepts, roles, barriers, solutions, current situation, mechanisms and policies of the state...







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Ecology and environment of textiles



- I. Impact of textile production on the environment and treatment measures
- II. Effects of textile production on human health
- III. Wastes from spinning, weaving, finishing and sewing
- IV. Cleaner production in the textile industry

