



UWI
CAVE HILL CAMPUS
BARBADOS, WEST INDIES

Roundtable

4

Pharmaceuticals Cosmetics & Health Products

ROUNDTABLE REPORT

Roundtable Four: Product research and development

-Viable options to be explored-

Topic: Pharmaceuticals, Cosmetics & Health Products

INSTRUCTIONS

Persons should have selected this topic because they have an interest or expertise in the specific area.

This is a regional issue, therefore do not focus exclusively on the Barbadian situation, but think about the regional experience and brainstorm regional, international as well as local actions that might be required.

Each group must **select a rapporteur** who will be responsible for summarising and recording the main points made for each question.

Over the next **2 hours** have been allocated for this discussion. The Moderator will announce time checks every 20 minutes. Groups should try to use their time to ensure that they **address all 5 questions**.

At the end of the session this booklet must be handed to one of the administrative staff.

The information will be compiled and emailed to all of the Symposium participants.

1. What is being done and lessons learnt?

- Some years ago, some natural products analysis was done. Some biologically active compounds were found.
- A research proposal for funding is being formulated.
- Some extensive work has been done on some of the other species.
- Some work on algae as a bio-sorbent – Harvesting of sodium alginate – Uses are very wide for sodium alginate
- Making of soaps – Seaweed as an exfoliate.

2. What are the issues to be investigated?

- Chemical Composition – For harnessing of biologically active compounds; When we know the chemical composition, then uses can be investigated.
NOTE: Invasive species tend to have toxic compounds. What toxins are present also need to be investigated.
- Investigate the detoxification aspects of these 2 algae.
- Method development of green harvesting of alginate.
- Investigate the actual impact on skin – RE: Allergic reactions, etc.
- Market studies for commercialisation.
- Effect of using seaweed extracts in the composition of soaps.
- Proper collection methods also at the regional level.
- Sustainable supply of Sargassum.

3. Who are the stakeholders to be involved?

- Local Manufacturers – Cleaning of waste water as well
- Food industries
- Textile Manufacturers
- BNSI
- Agricultural Industries
- Hoteliers
- BWA
- EPD
- UWI – Research arm

4. What resources are required?

- Graduate students researchers
- Equipment & Chemicals
- Peer Industries
- Funds
- Equipment & Transportation for harvesting of the seaweed – Labourers.
- Research space for the lab.
- Space to dry the seaweed.
- Conveyor system for collection.

5. What are potential sources of funding?

- UNDP/GEF
- IDB
- Green Climate Fund
- UNEP
- CDB
- EDF
- CARICOM

SARGASSUM ROUNDTABLE REPORT



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Thank You for Your Participation

At the end of the session please hand this booklet to one of the administrative staff.