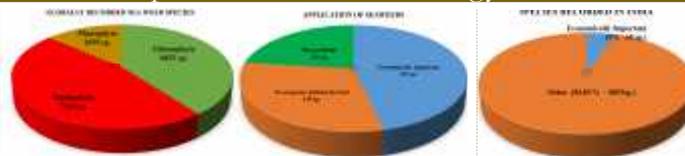# Economically Important Seaweeds along West Coast of India

Energy and Wetlands Research Group, Centre for Ecological Sciences
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- Seaweeds are macro algae and constitute vital component of Marine Ecosystem.
- Available in shallow waters with appropriate substratum..
- Seaweeds synthesize a wide range of chemicals, such as e.g. agar, carrageenan and alginates -
  - Used for food, confectionary, textile, pharmaceutical, dairy, paper, *etc.* (gelling, stabilizing and thickening agents).

Ulva lactuca
Growth season: AS
Habitat: UL , ML
Uses: FD, AF, MD, BF

Grateloupia lithophila
Growth season: MS
Habitat: ML
Uses: BF (Biofuel feedstock)

Chaetomorpha media
Growth season: AS
Habitat: UL , ML
Uses: FD, AR (Agriculture), AF

Gelidiopsis varaiabilis
Growth season: PM (Post Monsoon)
Habitat: ML
Uses: AG (Agar)

Enteromorpha intestinalis
Growth season : AS (All Season)
Habitat : ES (Estuary), UL ML
Uses: FD, AF, MD

Gelidium pusillum
Growth season: AS
Habitat: ML
Uses: AG(Agar) , BF

Caulerpa taxifolia
Growth season: PM (Post Monsson)
Habitat: TP (Tidal Pool) , LL
Uses: FD (Food) , AF

Growth season: MS ,PM
Habitat: ML, MS
Uses: FD , BF, CG (Carrageenan), AD (Agaroid).

Hypnea valentiae

Ulva fasciata
Growth season : AS (All Season)
Habitat : UL (Upper littoral)
Uses : FD (Food)

Growth season: PM, PR (Pre Monsoon)
Habitat: ML, LL
Uses: AG (Agar), FD, BF, AF (Animal Feed)

Gracilaria corticata

Distribution of seaweed species along west coast of India

INDIA

Rhodopyta and Phaeophyta

Chlorophyta

Chlorophyta

Rhodophyta

Phaeophyta

Growth season: MS, PM
Habitat: ML
Uses: AL (Algin), FD, MD (Medicine)

Growth season: MS, PM
Habitat: MS (Mangrove Swamp), ML ,LL
Uses: AL, FL, BF

Sargassum cinereum

Growth season: MS, PM
Habitat: ML
Uses: FD, AF (Animal Feed), AL (Algin)

Growth season : PM
Habitat : ML (Mid littoral)
Uses : AL(Algin),FL, MD, AF

Padina terrastromatica

Growth season: MS (Monsoon) , PM (Post Monsoon)
Habitat: ML , LL (Lower littoral)
Uses: AL, FD, FL, MD, BF (Biofuel feedstock)

Dictyota bartayresiana

Sargassum wightii

Sargassum ilicifolium

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