



Economically Important Seaweeds along West Coast of India

Energy and Wetlands Research Group, Centre for Ecological Sciences

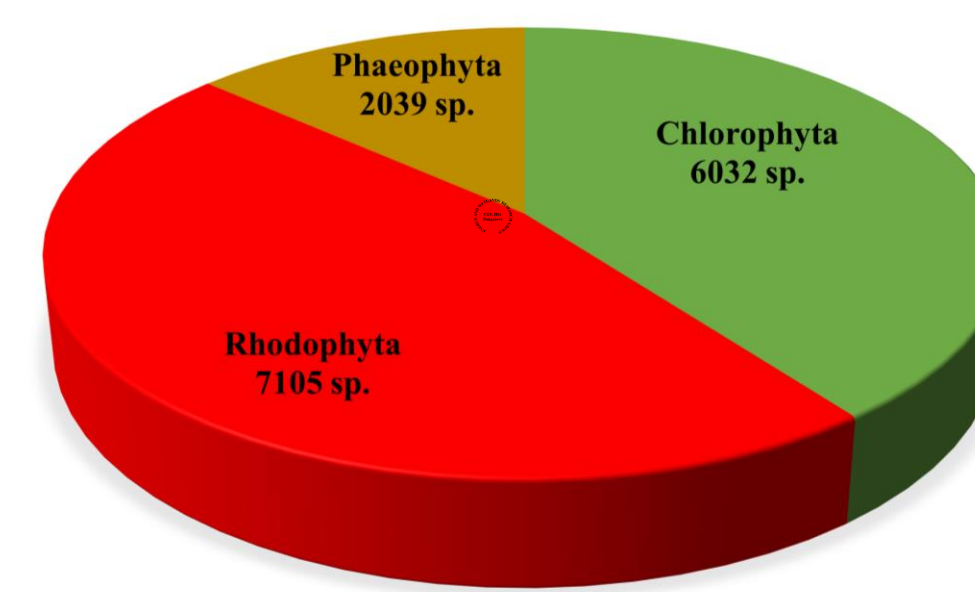
Indian Institute of Science, Bangalore 560012, URL: <http://ces.iisc.ernet.in/energy>



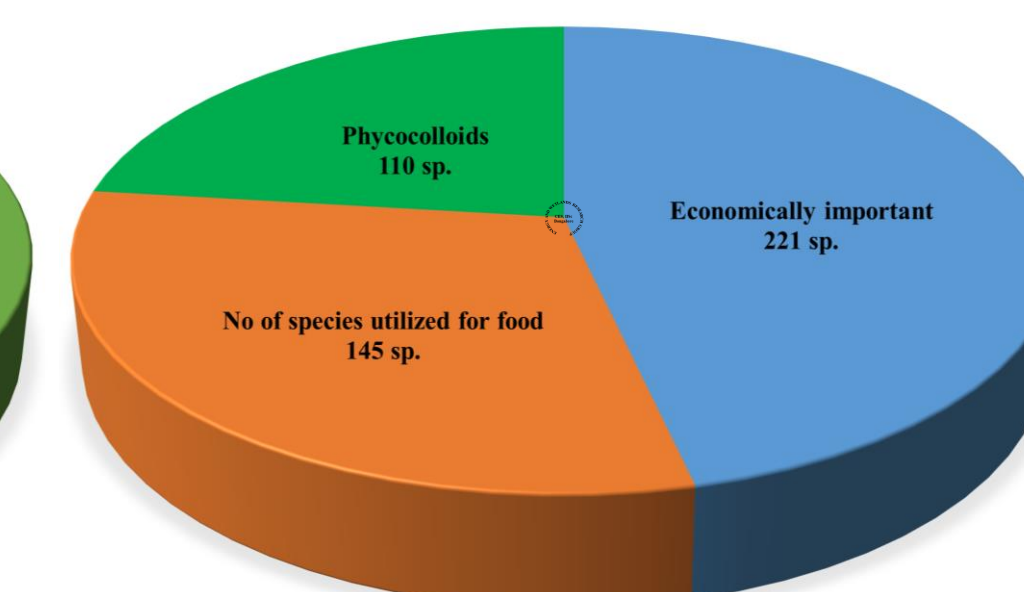
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- Seaweeds are macro algae and constitute vital component of Marine Ecosystem.
- Available in shallow waters with appropriate substratum..
- Seaweeds synthesize a wide range of chemicals, such as e.g. agar, carrageenan and alginates -
 - Used for food,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

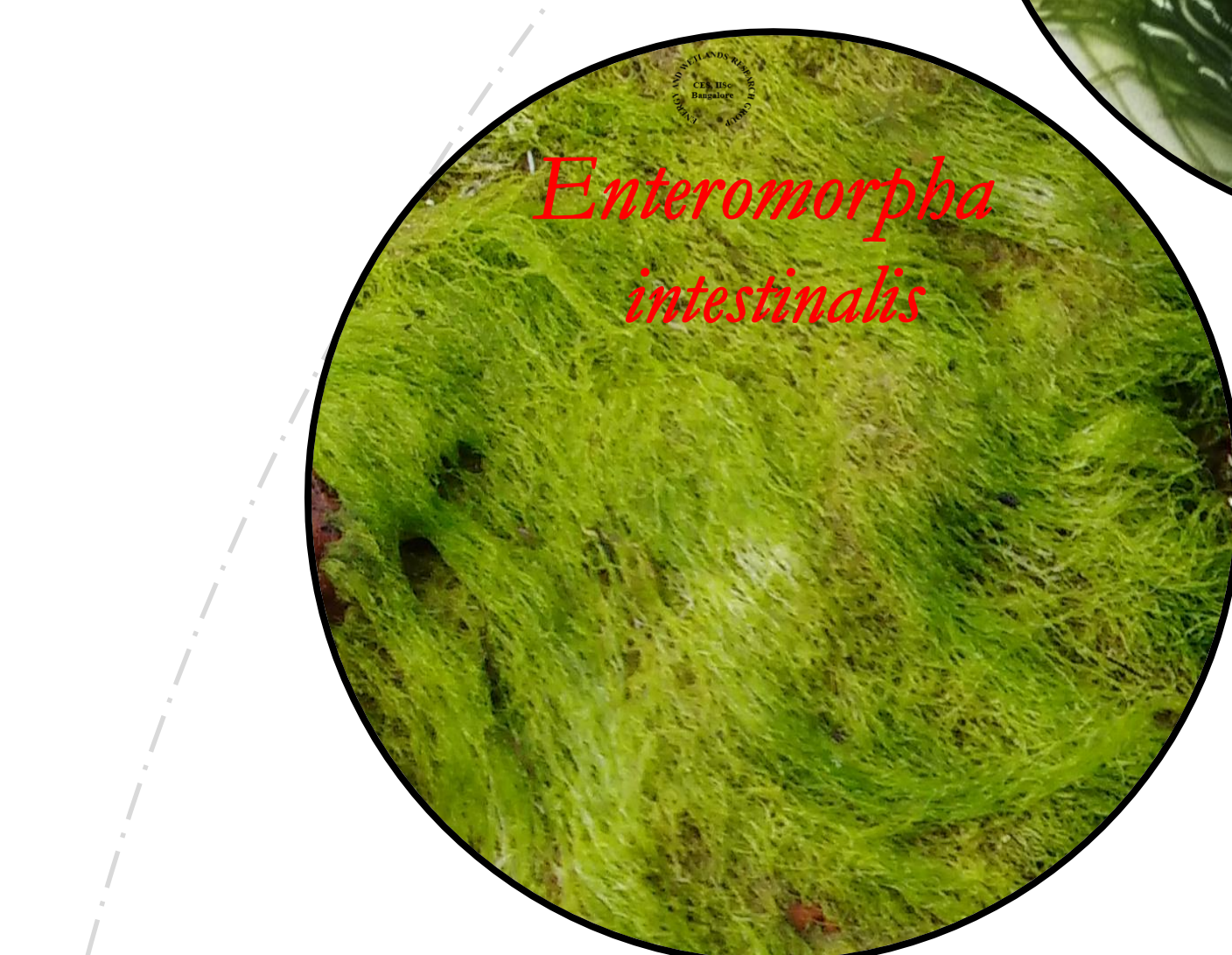
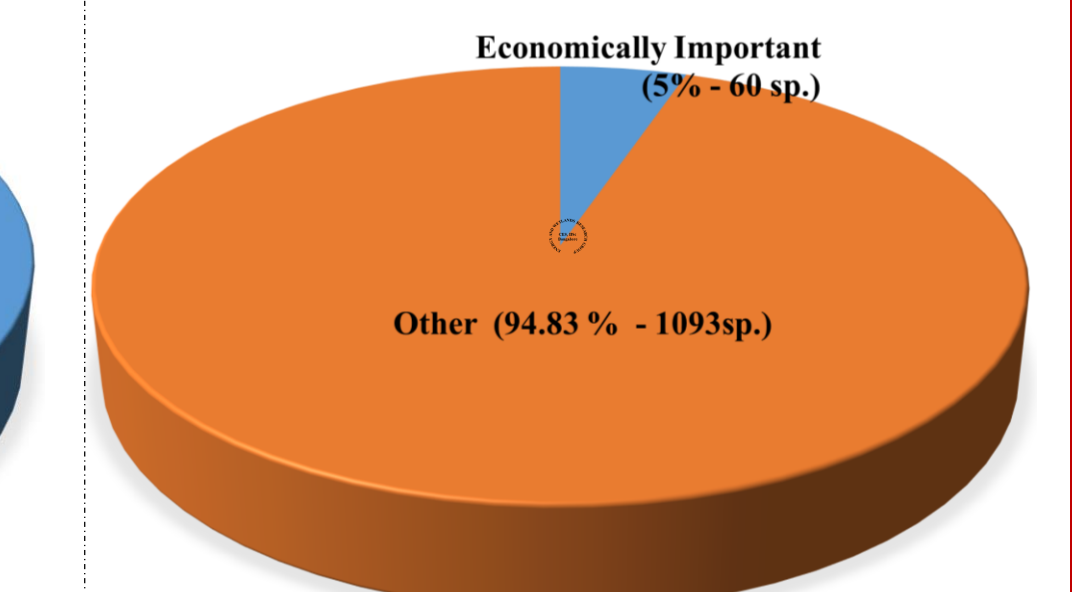
GLOBALY RECORDED SEA WEED SPECIES



APPLICATION OF SEAWEEDS



SPECIES RECORDED IN INDIA



Enteromorpha intestinalis

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



Caulerpa taxifolia

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



Ulva fasciata

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



Sargassum cinereum

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



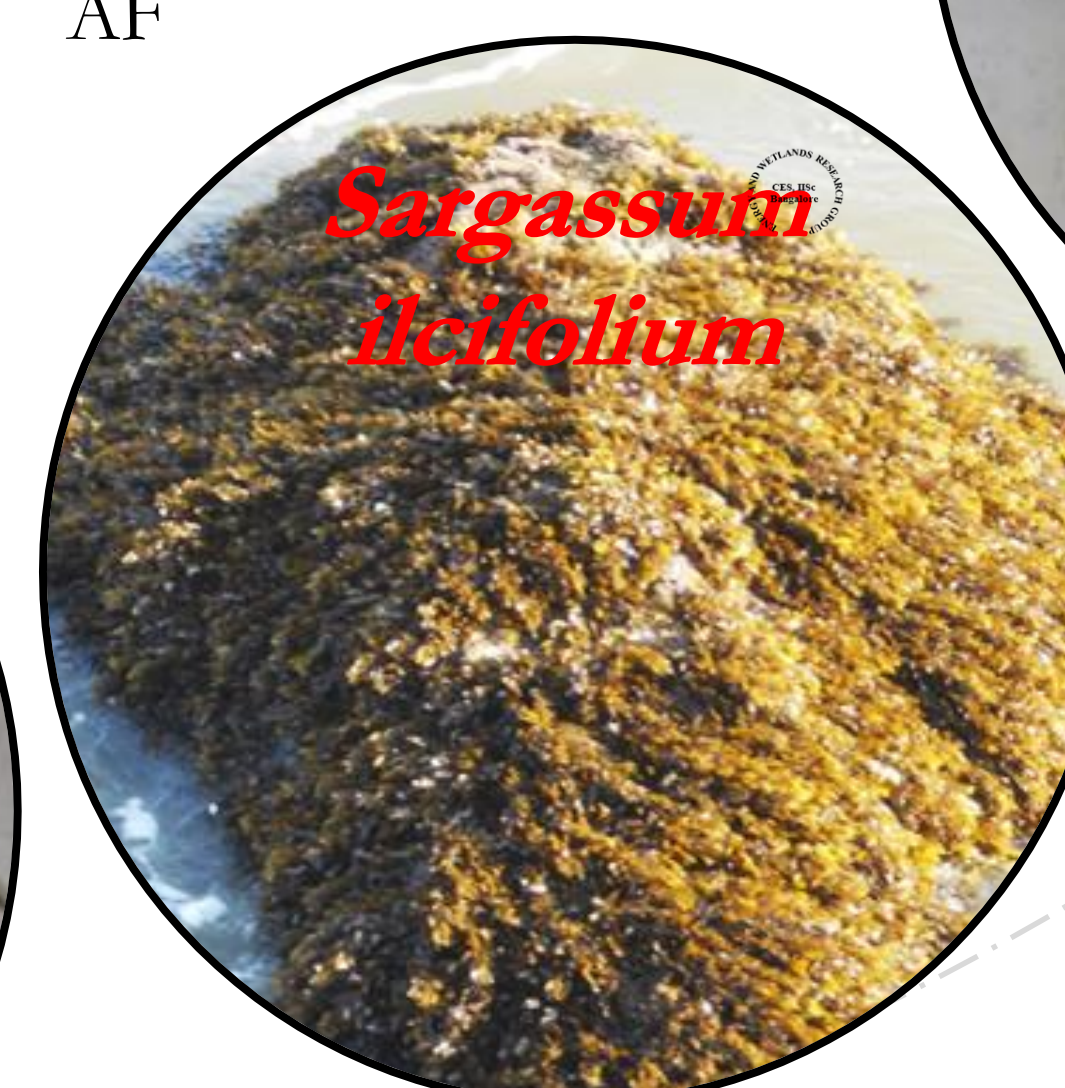
Dictyota bartayresiana

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



Sargassum wightii

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



Sargassum dictyoides

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



Ulva lactuca

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



Grateloupia lithophila

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



Gelidiopsis variabilis

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



Gelidium pusillum

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



Hypnea valentiae

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



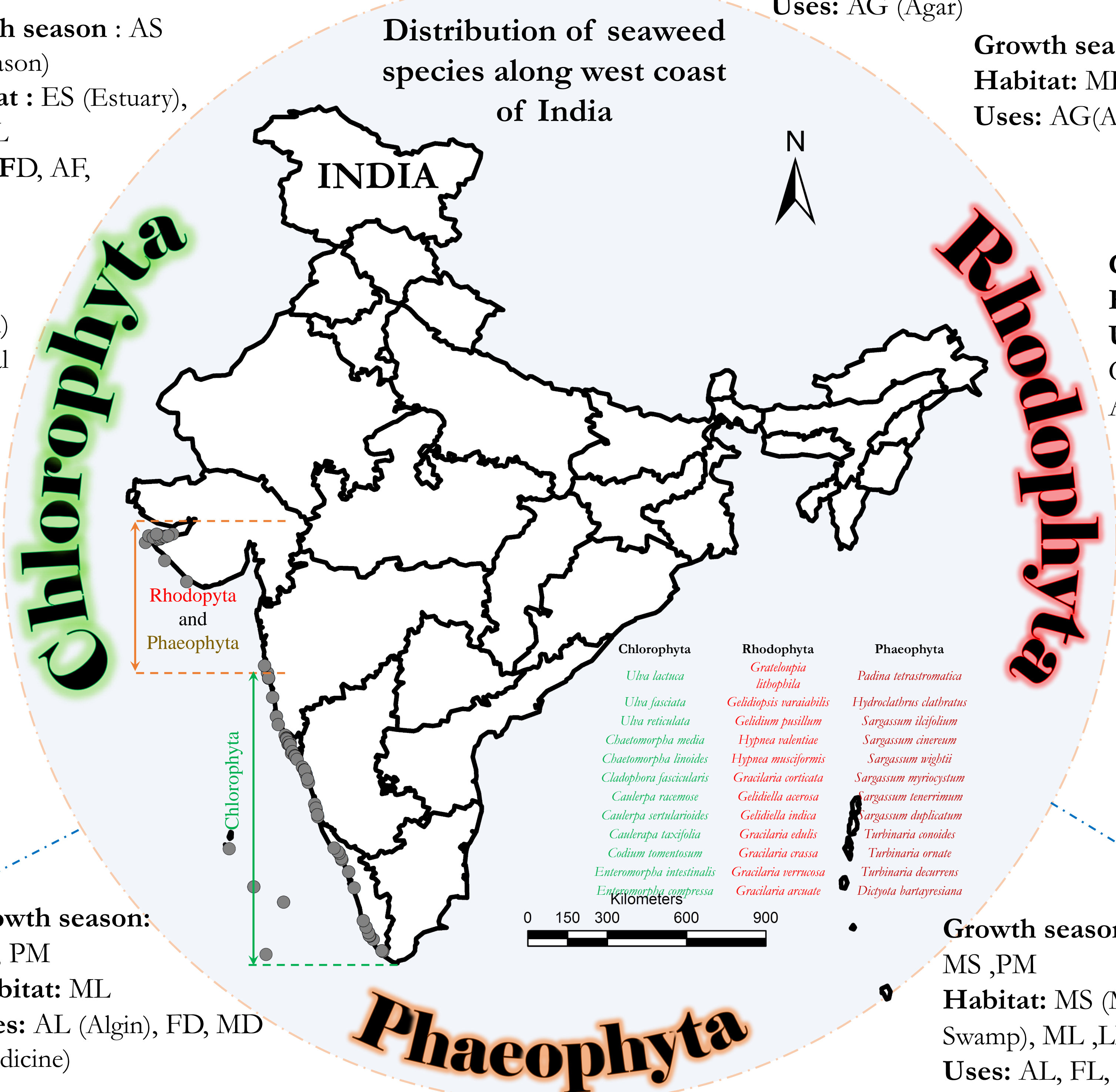
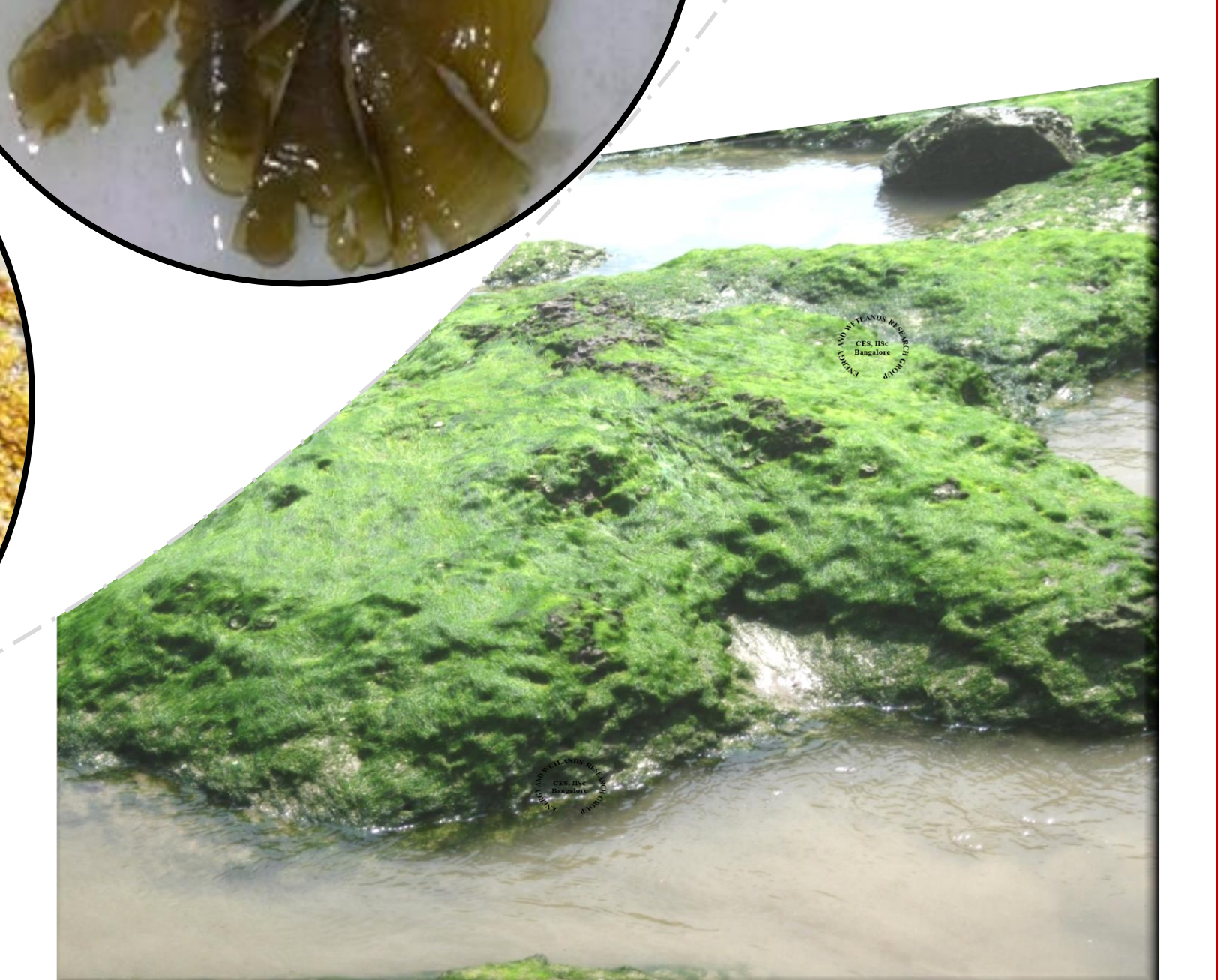
Gracilaria corticata

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



Padina tetrastromatica

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



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