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A review about brown algal cell walls and fucose-containing sulfated polysaccharides: cell wall context, biomedical properties and key research challenges

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Highlights

- Cell wall polysaccharides play key biological roles in brown algae
- Brown algal cell walls comprise fucose-containing sulfated polysaccharides (FCSPs)
- FCSPs cover highly diverse structures including sulfated fucans and fucoidans
- FCSPs are highly promising marine drugs, but key research challenges are remaining

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