

1. 秋茄树 *Kandelia obovata*



Are you ready for a hike? Today, we are going to meet a very brave plant. Her name is **Kandelia** (秋茄). She lives in the mud near the sea.

Imagine standing in the water all day. Your feet would be wet and cold, right? But Kandelia loves it! She is a **Mangrove** (红树).

Kandelia is a "Super Mom." Most trees drop seeds (种子). But Kandelia is different. She keeps her babies on her branches (树枝). The babies look like long, green pens! They hang on the tree mom for a long time.

2. 桐花树 (**Aegiceras corniculatum**) —— 会流汗的树



This tree can "sweat" (流汗)! It drinks the salty water, and then it pushes the extra salt out through its leaves. If you look very closely at the green leaves, you might see sparkling white **crystals** (结晶). That is the tree's salty sweat! It is a tough and cool plant. It protects the land

from big waves. It is waiting to say "Hello" to you!

- ☐ It has beautiful white flowers in the **Spring** (around April to June). They smell sweet!
- ☐ In the **Autumn**, it grows fruits that look like little curved **horns** (羊角) or candles.

They belong to the **Primrose Family** (报春花科). They have many cousins in the garden!

Don't just look at the tree from far away. Go close! Look at the surface of the leaf. Can you see the white **salt powder** (盐粉)?

3. 无瓣海桑 (*Sonneratia apetala*) —— 争议的外来巨人



无瓣海桑是一种从很远的地方——孟加拉湾和印度海边——搬到中国来的“大个子树”，它的个头可以长得很高，像海边的守望塔。因为它的花没有花瓣，所以取名叫“无瓣海桑”。它的脚很特别，会在泥巴里伸出“通气管”，像插着吸管一样呼吸，让它在海边潮湿的泥地上也能活得很好。这让它成为海边的“防波墙”，挡住风浪、保护岸边。

- In the **Summer** (May to July). The flowers are funny—they have no petals (花瓣)! They look like little green cups with white whiskers. **Fruits:** In the **Autumn**.

They belong to the **Loosestrife Family** (千屈菜科). **Breathing Roots:** Look at the mud around the tree. You will see many wooden spikes sticking out of the ground. They look like **bamboo shoots** (竹笋). These are the tree's noses! It uses them to breathe air.

Why do you think this tree grows so fast? Does it want to catch more sun? Look at the roots! Why do they stick up? Maybe the mud is too tight and they need fresh air?

4. 猪笼草 (*Nepenthes mirabilis*) —— 昆虫的噩梦



猪笼草 (*Nepenthes mirabilis*) 是一种特别的食虫植物，就像昆虫的“恐怖陷阱”。它有像小杯子的“笼子”，里面会分泌甜甜的汁和鲜艳的颜色，吸引小虫子过来。当虫子走进笼子，光滑的壁让它们滑下来爬不出来，最后掉进里面的液体里，被溶化成猪笼草的食物。它最常吃的有蚂蚁、蟋蟀、小蜜蜂、蝴蝶，有时候也会抓到蜘蛛或蜗牛。除了会捉虫，猪笼草长得很奇怪也很好看，所以人们常拿来当盆栽，还能做药，帮助清热止咳。在森林里，它也会帮忙减少害虫，是自然界的“小园丁”。
• They love **wet places** (湿润的地方), like the side of a swamp or a wet hill. **The Lid (盖子):** Look at the top of the bottle. There is a little leaf that looks like a lid. It stops the rain from filling up the bottle. It is like a little umbrella! 15 毫秒吃一只虫子哦!

5. 金毛狗蕨 (**Cibotium barometz**) —— 传说中的植物羊



金毛狗蕨（学名：*Cibotium barometz*）的幼年根茎密布金黄色茸毛，形似俯卧的“金毛狗”，这种奇特的形态特征催生了西方中世纪传说中“韃靼植物羊”（Vegetable Lamb of Tartary）的神秘故事。

“韃靼植物羊”是一个源自中亚地区的古老传说，在中世纪欧洲广为流传。当时的欧洲人对遥远的东方知之甚少，流传的故事称韃靼地区生长着一种半植物半动物的神秘生物——植物羊。这种生物扎根于地下，以周围的植被为食，形似绵羊，甚至可以产出羊毛供当地人使用，但一旦周围的草料吃光，它便会枯萎死去。

Ferns do not have flowers. They have **spores** (孢子)! In the warm **Summer and Autumn**, look under the leaves. You might see little bumps. That is where the baby ferns come from!

The golden hair is not just for keeping warm. Long ago, doctors used this hair to stop **bleeding** (止血). It is like a natural bandage!