






ISS Loi Krathong



-  1. *Deinococcus radiodurans* with Lux AB gene
-  2. Clove and bee wax candle with fragrance
-  3. Zinc ion coordination polymer (PCP)
-  4. Coir pith and starch basket
-  5. Biodegradable paper flowers

1. Stable transformation of Lux AB gene *Deinococcus radiodurans* will be used as Bioluminescent lamp.
2. Clove and bee wax can be used as source of lightening, fragrance and upon decomposition will help to reduce bacteria populations in the water system to prevent disease and support gut health.
3. Zinc ions will be able to selectively capture CO₂ molecules with 10 times greater efficiency. Moreover, the material can provide CO₂ as fuel, reusable by collecting and turned into an ingredient for packaging or clothing.
4. Coir pith and starch are readily biodegradable and can be used as a feed for aquatic life.
5. Biodegradable flowers aid in making the Krathong attractive and aesthetic however, can be readily decomposed in water system.