



FRIDAY ENVIRONMENT FORUM

NPA Environment Centre

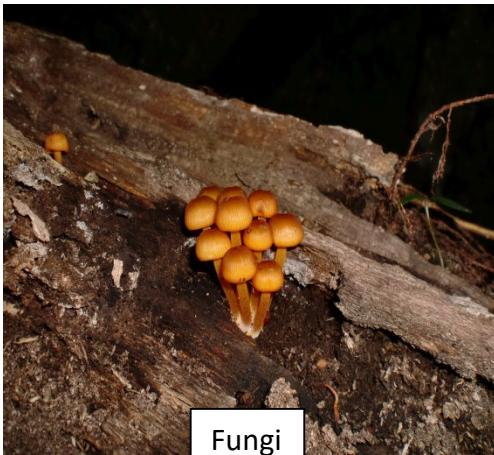
07 April

Fungi are the “superheroes of our future”

This week at Friday Environment Forum – April 07 - *Dr Sandra Tuszyńska*, who will be guest speaker at Noosa Parks Association’s Friday Environment Forum this week, believes that *Fungi are the “superheroes of our future”*.

Dr Tuszyńska is a mycologist or fungal biologist with a passion for myco-restoration, the ability of fungi to restore damaged ecosystems. She aims to inspire her audience to think ‘fungi’ in all environmental restoration endeavours.

Fungi are widely studied for their ability to remediate pollution by heavy metals, pesticides, radioactive isotopes, petrochemicals and other industrial toxins. Myco-remediation can therefore be applied to reclaim contaminated soils.



Fungi

Myco-filtration is a process whereby mycelium (fungal) mats can be used to decontaminate water polluted with petrochemicals, pesticides and virulent microorganisms. Myco-filtration can be used to prevent toxic runoff from industry and agriculture into waterways and the ocean.

Additionally fungal mycelium is used as an eco-friendly, carbon negative material in architecture, design and biotechnology. Examples include mycelium-based bricks, insulation, plywood, 3-D printed furniture and clothing, as well as sustainable leather.

The significance of myco-restoration and myco-technology lies in their simplicity, novelty, versatility, and relatively low-cost practical applications, as mycelium can be cultivated on organic by-products such as mulch, cardboard and woodchip. In fact, some fungi even break down plastic. There are really no limits to what fungi can do.

Join the audience on Friday April 07 at the Environment Centre, 5 Wallace Drive, Noosaville to learn more about these amazing little life forms, the fungi. Arrive early to enjoy coffee at 10.30am. For those interested in an interpretive birding walk before the forum, meet Valda in the Environment Centre car park at 8.30am.

All welcome.



Fragile Fungi