



TECHNOLOGY FOR SCALE-UP STUDIES & DEMONSTRATION

Quick Detection Kit for Aqua-Contaminant Detection Anytime, Anywhere

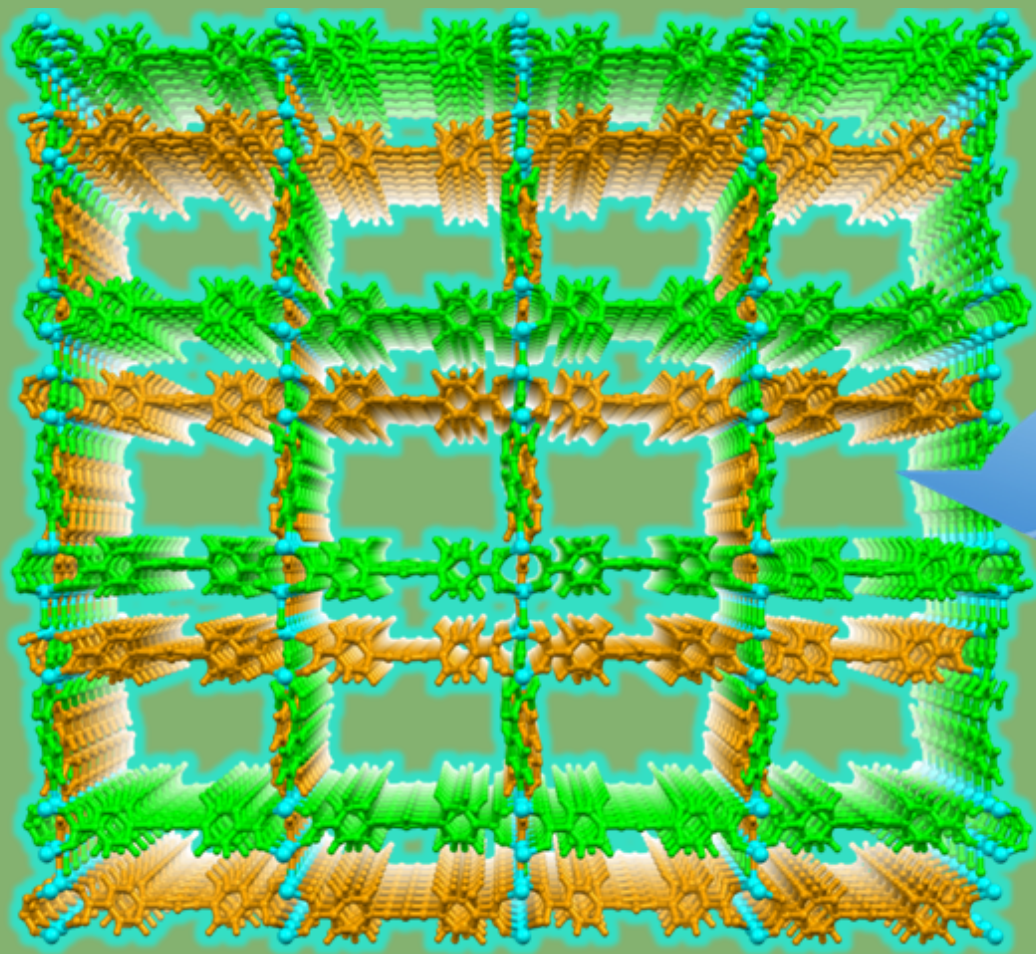
Background of CSMCRI Product

The present invention is a technique for quick identification of harmful organo-toxins using suitable fluorescent material grafted paper-strip. The strip can be directly dipped into the sample and held under UV-torch (365 nm) later on after drying, to see a visible color change. The simple operational procedure makes it advantageous as they are ready-to-use anytime.

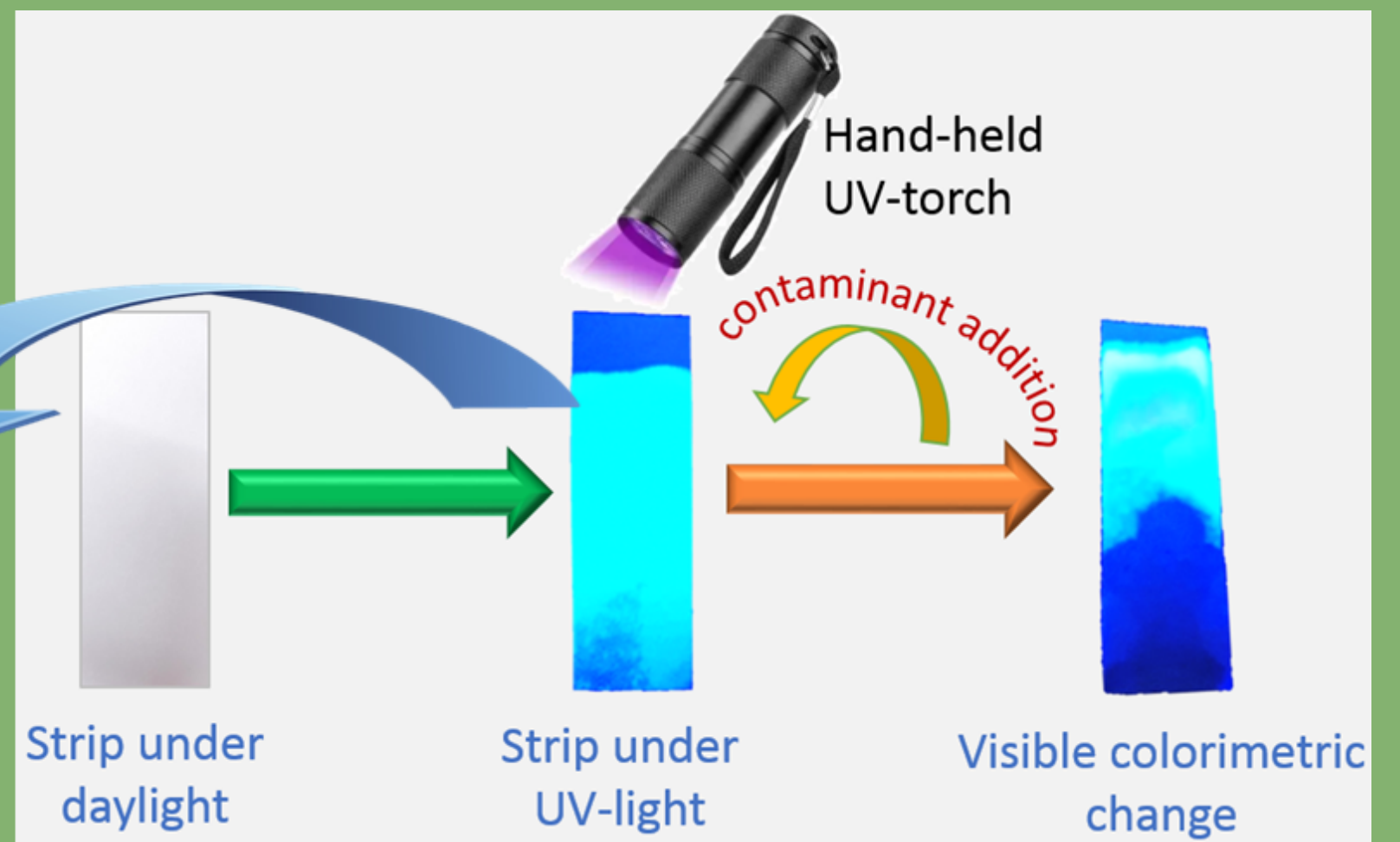
Current Issues

- Excessive usage of Pesticides in farming and antibiotics in animal husbandry
- Continous release of industrial waste waters into mainstream without any filtration
- Uncontrolled extraction of ground water leading to soil and water contamination by heavy metals

CSMCRI Prototype



Porous structure as sensory probe



Prototype of kit based detection

Why CSMCRI Prototype

Layman Use
Simple to use; no special training required

Easy to Use
Can be used without any treatment

Quick response & Indegineous

Minimum Sampling: Needs only one drop of sample

Cheaper than commercially available detection kits