Editorial - Special issue on green technologies for waste treatment

Water and waste pollution has been threatening water security globally. Green wastewater and waste treatment technologies are ex- pected as an alternative to conventional treatment technologies, which can produce less toxic by-products during treatment and be economic. The main purposes of this special issue are to compile emerging issues and challenges on water and waste pollution problems, as well as propose low-cost green technologies with latest research and develop- ment for wastewater and waste treatment.

This special issue includes review and original research papers, covering topics with significant novelty and scientific impact, which include 1) making activated carbon with high adsorption capacity using Macadamia nut shell to remove methylene blue from wastewater; 2) adsorption study of biochar synthesised from corn cob biomass on herbicide 2,4-D removal; 3) application of two-stage membrane bior- eactor bioaugmented with *Alcaligenes faecalis* for landfill leachate treatment through heterotrophic nitrification-aerobic denitrification; 4) assessing indigenous bacterial strains isolated from the fabric dyeing effluent on removing colour, TDS, COD and chloride from fabric dyeing wastewater; 5) evaluating the efficiency of *Enterobacter cloacae* bac- terial strain to remove colour, TDS and COD from coffee cherry pulping wastewater; 6) reviewing the influencing factors and mechanisms of biohydrometallurgy, the current state of research on base and precious metals bioleaching from waste electrical and electronic equipment, as well as the challenges linked to performance and scaling up of this

technology; and 7) optimizing C/N ratio and turning frequency in food waste composting process by mixing dried leaves and producing useful compost to grow vegetables.

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