**Comparing the rice husk modification techniques for removal of heavy metals from wastewater**

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**Outline**

1. Introduction
2. Use of commercial and agricultural waste as bio-adsorbent for removal of heavy metals
3. Rice husk

3.1) Organic modification techniques

3.1.1) Raw rice husk

3.1.2) Rice husk treated with Procion dye

3.1.3) Rice straw biochar

3.1.4) Epichlorohydrin treated rice husk

3.1.5) Pulverized rice husk

3.2) Inorganic modification techniques

3.2.1) Rice husk treated with acids

3.2.2) Rice husk treated with base

3..2.3) MgO modified biochar from rice husk

1. Effect of adsorption conditions

4.1) Effect of pH

4.2) Effect of dose concentration

4.3) Effect of temperature

4.4) Effect of contact time

4.5) Effect of initial metal concentration

5) Conclusion and future prospects