SÍNTESIS DE PRODUCTO

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GENERAL

FACULTAD	Facultad de Ingeniería
PROGRAMA ACADEMICO	Especialización en tratamiento, valoración y gestión de residuos sólidos
NOMBRE DEL TRABAJO DE GRADO	Revisión: posible uso de lodos ricos en aluminio, provenientes de plantas de potabilización de agua, para la remoción de turbidez, DQO, DBO y sólidos, en agua residuales. (Artículo enviado a la revista Cuaderno Activa, julio de 2020)
PALABRAS CLAVE:	Lodo rico en aluminio, lodos de tratamiento de agua, tratamiento de agua residual.
RESUMEN:	El lodo rico en aluminio generado en el proceso de potabilización del agua es un residuo que es considerado, en muchos países, como no peligroso. Estos lodos se disponen al alcantarillado, cuerpos de agua, escombreras y rellenos sanitarios. Varios estudios demuestran que estos se pueden aprovechar de diferentes formas. Por tal motivo en este trabajo se presenta una revisión, de las investigaciones más relevantes, que se han realizado en torno al uso de estos lodos en el tratamiento de aguas residuales, para la remoción de turbidez, DQO y DBO. Además, se presenta las características físicas, químicas, microbiológicas y tóxicas del lodo. Varias investigaciones muestran remociones, de los parámetros anteriores, a escala de laboratorio, lo que muestra su potencial aplicación en el tratamiento de aguas residuales.

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