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Study of ash removal from activated carbon and its result on CO2 sorption capacity

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t is being observed that average temperature on Earth increases each year. is phenomenon can be explained by a theore known as a greenhouse e ect. ermal radiation, which is being emitted from the Earth's surface, is being absorbed by molecules in the atmosphere. Mainly, these molecules are methane, carbon dioxide and water vapor. e greater their concentration in the atmosphere, the more thermal radiation is being absorbed. To mitigate further intensi cation of the greenhouse e ect by reducing Comission, some technologies are being developed. ey are known as a Carbon Capture and Storage (CCS). One of those technologies is post-combustion captureofcod sorbents, like activated carbon (AC). AC is a porous material with well developed speci c surface area. It is obtained through carbonization of a precursor with predominating carbon element and next activation- physical, chemical or combined. Depending on precursor's source, the aec (y m) (a) -eci ci0fma(s)-8 (3-8.h)4 (em (h)4 (o)10a)8.9 (r)13 (e k)-4 (n)4 (o)16 (w) (h)4 13 h,tersi(. v (ur)-6-29. gard tcs references to the surface area.

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