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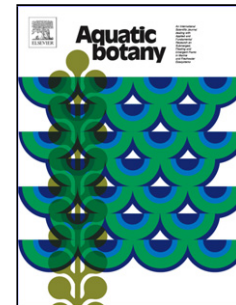
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Determining factors for the occurrence and richness of submerged macrophytes in major Korean rivers

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Highlights:

Korean rivers show lower flow velocity and more lentic conditions after alterations

Boosted regression model identified major environmental factors acting on macrophytes

High turbidity caused by suspended solids and phytoplankton reduced species richness

Higher water velocity also reduced species richness

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