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Numerical modeling on pollution transport in flexible vegetation

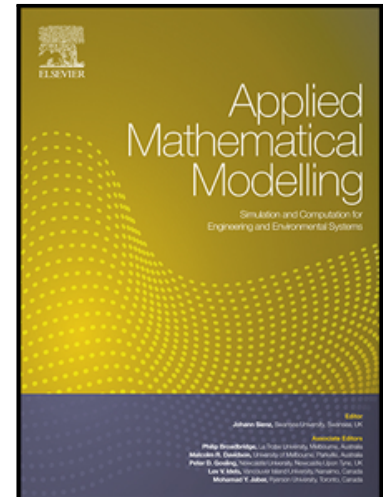
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Highlights

- A LES model was developed to simulate pollution transport with flexible vegetation.
- A model for the recognition of flexible vegetations was proposed.
- The subgrid length scale was modified into the mixed-scale model.
- A random walk model described the mechanical dispersion.
- The recognition of flexible vegetations increases the vertical mixing of pollution.

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