## **Accepted Manuscript**

Investigation on cohesive force of ice particles in ice slurry for long-term ice storage

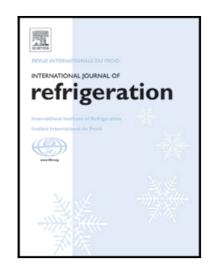
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### ACCEPTED MANUSCRIPT

#### Highlights

- The trends of ice particle size, porosity, and permeability with time were found out.
- The factors dominating the cohesive force and their effects were found out .
- The cohesive force was found to be maximized at 8 h of storage.
- An inverse correlation between the cohesive force and permeability was identified.
- Appropriate equations to give the dimensionless cohesive forces were proposed.

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