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A New Model for Qualitative Research: Connecting Triangulation, Crystallization, and Artificial Intelligence

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1. Round 1

1.1 Reviewer 1

Reviewer:

The sentence "Crystallization is one of the most fundamental..." lacks current references (last citation is from 2014). Include more recent studies (2020–2024) to show contemporary relevance.

The reported "supersaturation ratio of 1.5" should be accompanied by a clear definition and formula. Specify how this ratio was measured or calculated.

The phrase "samples were cooled gradually" is vague. Indicate exact cooling rate (°C/min) and whether the cooling was linear or staged.

Numerical values lack error bars or standard deviations. Include statistical indicators to support the reliability of reported averages.

The correlation between cooling rate and polymorphic outcome is compelling but insufficiently supported. Include comparative crystallographic data or cite earlier corroborating studies.

Author revised the manuscript and uploaded the updated document.

1.2 Reviewer 2

Reviewer:

The transition between kinetic control and thermodynamic control discussions is abrupt. Add a linking sentence explaining why this distinction is crucial for the present study.

The claim "All crystals showed uniform morphology" contradicts later mention of "some irregular aggregates." Revise for consistency or quantify the irregular portion.

Specify the magnification or scale bar. Without it, the micrograph lacks interpretive value.

The explanation "This can be attributed to molecular orientation during seeding" is speculative. Provide supporting evidence (microscopic, spectroscopic, or literature-based).

Author revised the manuscript and uploaded the updated document.

2. Revised

Editor's decision after revisions: Accepted.

Editor in Chief's decision: Accepted.