

# INFUSE 2025: International Conference on Frontiers of Unified Science and Exploration



Contribution ID: 149

Type: Poster

## Structural and thermal studies of barium doped phosphate bioactive glasses

Phosphate glasses doped with barium were synthesized using conventional melt quench technique. Glasses were subjected to in vitro bioactivity test and hence, were found to be bioactive.

In this article, the structural and thermal properties analysed using FTIR and MDSC are discussed. All functional groups of the glasses were obtained and modifications were observed due to bioactivity. The metrics related to fragility of glasses found using MDSC results showed that the glasses are strong.

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**Track Classification:** Physical Sciences