

**SYNTHESIS AND CHARACTERIZATION OF METAL ALUMINATE  
CATALYST AND THEIR APPLICATION IN THE BIGINELLI  
REACTION**

A Dissertation

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M.Sc. in Inorganic Chemistry

by

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Date: April 2023



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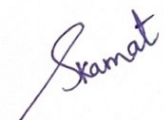
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### DECLARATION BY STUDENT

I hereby declare that the data presented in this Dissertation report entitled, “**SYNTHESIS AND CHARACTERIZATION OF METAL ALUMINATE CATALYST AND THEIR APPLICATION IN THE BIGINELLI REACTION**” is based on the results of investigations carried out by me in the Inorganic Chemistry at the School of Chemical Sciences, Goa University under the supervision of Dr. Shrikant R. Naik and the same has not been submitted elsewhere for the award of a degree or diploma by me. Further, I understand that Goa University or its authorities will not be responsible for the correctness of observations/experimental or other findings given the dissertation.

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## COMPLETION CERTIFICATE

This is to certify that the dissertation report “SYNTHESIS AND CHARACTERIZATION OF METAL ALUMINATE CATALYST AND THEIR APPLICATION IN THE BIGINELLI REACTION” is a bonafide work carried out by Ms. Saharsha Sanjay Kamat under my supervision in partial fulfillment of the requirements for the award of the degree of **Masters in Science** in the Inorganic Chemistry at the School of Chemical, Goa University.



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