

CERTIFICATE

It is certified that the work contained in the thesis titled “**Effect of Isovalent and Aliovalent Cation Substitution on the Structure and Functional Properties of (Mg,Co,Ni,Cu,Zn)O High Entropy Oxide**” by **ASHWANI GAUTAM** has been carried out under my supervision and that this work has not been submitted elsewhere for a degree.

It is further certified that the student has fulfilled all the requirements of Comprehensive examination, Candidacy and SOTA for the award of Ph.D. Degree.



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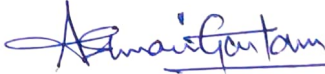
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DECLARATION BY THE CANDIDATE

I, "**Ashwani Gautam**", certify that the work embodied in this thesis is my own bona fide work and carried out by me under the supervision of "**Dr. Mohd. Imteyaz Ahmad, Associate Professor**" from "**January, 2019**" to "**January, 2025**", at the "**Department of Ceramic Engineering**", Indian Institute of Technology (BHU), Varanasi. The matter embodied in this Ph.D thesis has not been submitted for the award of any other degree/diploma. I declare that I have faithfully acknowledged and given credits to the research workers wherever their works have been cited in my work in this thesis. I further declare that I have not wilfully copied any other's work, paragraphs, text, data, results, etc., reported in journals, books, magazines, reports dissertations, theses, etc., or available at websites and have not included them in this thesis and have not cited as my own work.

Date: January 31, 2025

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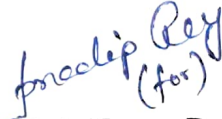
It is certified that the above statement made by the candidate is correct to the best of our knowledge.



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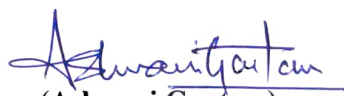
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