

CERTIFICATE

It is certified that the work contained in the thesis “ SYNTHESIS, ELECTRON MICROSCOPY AND LOCALIZED SURFACE PLASMON STUDIES OF Au, Ag, Cu NANOPARTICLES AND THEIR ALLOYS” by “MANISH KUMAR SINGH” 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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