

DECLARATION

I declare that the dissertation entitled “**ALPHA DECAY OF HEAVY ELEMENTS AND DE-EXCITATION OF HOT AND ROTATING $^{48}\text{Cr}^*$ FORMED IN THE HEAVY-ION $^{24}\text{Mg}+^{24}\text{Mg}$ REACTION**” submitted by me for the degree of Master of Philosophy (M.Phil.) is the record of research work carried out by me during the period from **August 2012** to **July 2013** under the guidance of **Mrs. N.S. Rajeswari MSc., M.Phil., M.C.A., Assistant Professor (S.S.), Department of Physics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore-43** and has not formed the basis for the award of any Degree, Diploma, Associateship, Fellowship, Titles in this University or any other University or other similar institution of Higher learning

 31/7/2013
Signature of the Candidate