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CERTIFICATE

This is to certify that the work described in this thesis entitled, “**Investigation on bacterial nanowires from *Pseudomonas aeruginosa***” submitted by **Mr. M. Maruthupandy** in partial fulfillment of the requirements for the degree of *Doctor of Philosophy* in Madurai Kamaraj University is based on the results of the studies carried out by his under my guidance and supervision. The thesis or part thereof has not been submitted elsewhere for any other degree or diploma.

Date :

Place : Madurai

(M. ANAND)