

CERTIFICATE

This is to certify that the thesis entitled “Synthesis, Characterization and Biological Applications of Transition metal chelates of 1,7-Diarylheptanoids” is an authentic record of the research work carried out by SEENA THOMACHAN, under my supervision in partial fulfillment of the requirements for the Degree of Doctor of Philosophy in Chemistry of the University of Calicut, and further that no part thereof has been presented before for any other Degree.

Dr. JOHN .V. D

(Supervising Teacher)



E-mail : amalacancerresearch@gmail.com

Phone: 0487 2307968
FAX : 91 487 2307968

Amala Cancer Research Centre

(A Society Registered T. C Act, XII of 1955 sl. No. 56 of 1984)

MANAGING DIRECTOR : FR. FRANCIS KURISSERY, C M I
RESEARCH DIRECTOR : DR. RAMADASAN KUTTAN, Ph.D

AMALANAGAR - 680 555, THRISSUR
KERALA, INDIA

Ref:

Date:

18.05.2016.

CERTIFICATE

The Institutional Animal Ethics Committee has approved the project of Mrs. Seena Thomachan entitled "Synthesis, Characterization and Biological Applications of Transition metal chelates of 1, 7 - Di Aryl Hepatanoids, approved No. ACRC/IAEC/16-01 / (1) under the direction of Dr. Ramadasan Kuttan.

Dr. Jose Padikkala,
Secretary, IAEC,
ACRC.

Dr. Jose Padikkala, Ph D
Professor, Dept. of Biochemistry
Amala Cancer Research Centre
Amala Nagar P. O., Thrissur-680 555
Kerala, India