CERTIFICATE

It is certified that the work contained in the thesis titled "Development and Evaluation of Ciprofloxacin Hydrochloride and Quercetin Loaded Electrospun Nanofiber Membrane for Full Thickness Wound Healing" by "Gufran Ajmal" 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.

Prof. Brahmeshwar Mishra (Supervisor)

DECLARATION BY THE CANDIDATE

I, "Gufran Ajmal", certify that the work embodied in this thesis is my own

bonafide work and carried out by me under the supervision of "Prof. Brahmeshwar

Mishra" from "July 2014" to "July 2019", at the "Department of Pharmaceutical

Engineering & Technology", Indian Institute of Technology (BHU), Varanasi. The

matter embodied in this 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 willfully 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:

Place: Varanasi

Gufran Ajmal

CERTIFICATE BY THE SUPERVISOR

It is certified that the above statement made by the student is correct to the best

of my knowledge.

Prof. Brahmeshwar Mishra (Supervisor)

Prof. Sushant Kumar Shrivastava (Head of Department)

iii

COPYRIGHT TRANSFER CERTIFICATE

Title of the Thesis: Development and Evaluation of Ciprofloxacin Hydrochloride and

Quercetin Loaded Electrospun Nanofiber Membrane for Full

Thickness Wound Healing

Name of the Student: Gufran Ajmal

Copyright Transfer

The undersigned hereby assigns to the Indian Institute of Technology (Banaras

Hindu University), Varanasi, all rights under copyright that may exist in and for

the above thesis submitted for the award of the "Doctor of Philosophy."

Date:

Place: Varanasi

Gufran Ajmal

Note: However, the author may reproduce or authorize others to reproduce

material extracted verbatim from the thesis or derivative of the thesis for author's

personal use provided that the source and the Institute's copyright notice are

indicated.

iv