Biomedical Applications of Nanodiamonds in Microbiology

Norouzi, Neda

DOI:
10.33612/diss.250888650

Biomedical Applications of Nanodiamonds in Microbiology

Neda Norouzi

Book Cover : **Dutch Pouring Art (**by **Neda Norouzi)**

Printed by : **Gildeprint, Enschede**

university of groningen

Ferdowsi University of Mashhad

Biomedical Applications of Nanodiamonds in Microbiology

PhD thesis

to obtain the degree of PhD at the
University of Groningen
on the authority of the
Rector Magnificus Prof. C. Wijmenga
and in accordance with
the decision by the College of Deans.

and

to obtain the degree of PhD at the
Ferdowsi University of Mashhad
on the authority of the
Rector Magnificus Prof. A. Zabett
and in accordance with
the decision by the College of Deans.

Double PhD degree

This thesis will be defended in public on

Wednesday 23 November 2022 at 12.45 hours

by

Neda Norouzi
born on 18 June 1989
in Khash, Iran

Supervisors

Prof. R. Schirhagl
Prof. M. B. Habibi Najafi

Assessment Committee

Prof. J. Meijer
Prof. C.H. van der Wal
Prof. P. Olinga

I dedicate this work of mine

To my loving husband, ***Reza.***

For his endless love, support, and encouragement

Through times, hard and fraught with turbulence

He patiently stood by

Cheering, comforting… hardly ever the whine.

And To

Those who surrounded me

with their love and support

in my life's storms.

Paranymphs

Taraneh Mokabber

Mahsa Kaveh

Table of content