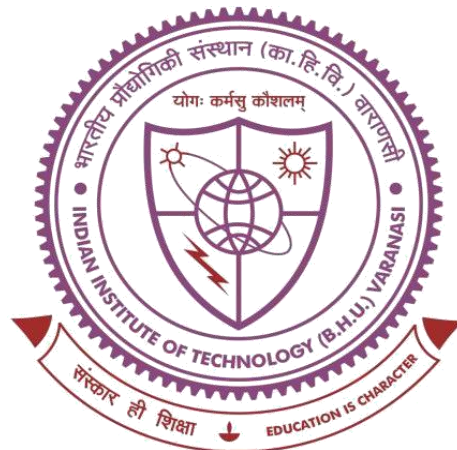


**Bacteriophages formulation strategy against burn
wound bacterial infections**



**Thesis submitted in partial fulfilment for the
Award of Degree**

Doctor of Philosophy

By

Deepa Dehari

**DEPARTMENT OF PHARMACEUTICAL ENGINEERING & TECHNOLOGY
INDIAN INSTITUTE OF TECHNOLOGY
(BANARAS HINDU UNIVERSITY)
VARANASI – 221005
INDIA**

Roll No- 18161503

Year 2023

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Dr. Ashish Kumar Agrawal

आशीष कुमार अग्रवाल / Ashish Kumar Agrawal

Supervisor

सहायक प्रोफेसर / Associate Professor

दवा विभाग / Department

Department of Pharmaceutical Engineering & Technology

भारतीय प्रौद्योगिकी संस्थान / Institute of Technology

(बनारस हिन्दू विश्वविद्यालय / Banaras Hindu University)

वाराणसी-221005 / Varanasi-221005

E-mail: ashish_phe@bhu.ac.in

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I, "Deepa Dehari", certify that the work embodied in this thesis is my own bonafide work and carried out by me under the supervision of "Dr. Ashish K. Agrawal" from "January 2019" to "August 2023", 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.

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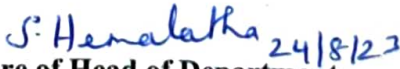

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Dr. Ashish Kumar Agrawal
Supervisor

आशीष कुमार अग्रवाल / Ashish Kumar Agrawal
सहायक प्राध्यापक / Assistant Professor
भेषजकीय अभियांत्रिकी एवं प्रौद्योगिकी विभाग/
Department of Pharmaceutical Engineering & Technology
भारतीय प्रौद्योगिकी संस्थान / Indian Institute of Technology
(काशी हिन्दू विश्वविद्यालय) / (Banaras Hindu University)
वाराणसी-221005 / Varanasi-221005
E-mail: ashish.phe@itbhu.ac.in


Signature of Head of Department

विभागाध्यक्ष / Head
भेषजकीय अभियांत्रिकी एवं प्रौद्योगिकी विभाग /
Department of Pharmaceutical Engineering & Technology
भारतीय प्रौद्योगिकी संस्थान / INDIAN INSTITUTE OF TECHNOLOGY
(वाराणसी हिन्दू विश्वविद्यालय) / (BANARAS HINDU UNIVERSITY)
वाराणसी-221005 / Varanasi-221005

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ACKNOWLEDGEMENT

"Educationists should build the capacities of the spirit of inquiry, creativity, entrepreneurial and moral leadership among students and become their role model."

A.P.J. Abdul Kalam

It gives me immense pleasure to have reached a stage where I finally get to express my deepest and sincere gratitude to all the people with prestige and esteem, without whom my research work could not have been achieved, and as I do, so I know that it would never be enough for the roles they've played and the guidance they've provided in my journey.

*My first and foremost heartfelt gratitude and indebtedness would be towards **Bharat Ratna Mahamana Pandit Madan Mohan Malviya Ji**, the founder of Banaras Hindu University, who sacrificed his entire life and efforts in establishing this artistic temple of knowledge and wisdom.*

*I would like to express my sincere gratitude to my supervisor **Dr. Ashish Kumar Agrawal** for the continuous support of my Ph.D. related research, for his patience, motivation, and immense knowledge. His in-depth cognizance of the subject and continuous guidance helped me in all the time of research and writing of this thesis. I could not have imagined having a better advisor and mentor, and I feel fortunate to having been associated with and worked under such an accomplished personality. His devotion and resilience have helped me in times when making it through felt an impossible task.*

*I would also like to thank **Prof. Gopal Nath (Department of Medical Microbiology, IMS, BHU)** for providing bacterial strains, virus research lab facility (VRDL, under scheme 5066) and guiding me throughout bacteriophage studies. I always remain indebted his diligent efforts and professional competencies.*

*My sincere thanks also goes to my RPEC members, **Prof. Brahmeshwar Mishra, Dr. Manas Ranjan Majhi (Department of Ceramic Engineering)** and **Dr. Marsal (School of Biomed. Engg)** for providing valuable guidance.*

I express my gratitude to Prof. (Mrs.) Siva Hemalatha (HOD), Prof. Sanjay Singh, and Prof. Sushant Kumar Shrivastava, (Former HODs), Department of Pharmaceutical Engg. & Tech. IIT (BHU) for providing all the required facilities during my PhD programme.

I would like to thank all the faculty members of the Department of Pharmaceutical Engineering & Technology: Dr. A. K. Srivastava (Ex-Professor), Prof. Sushil Kumar Singh, Prof. Sairam Krishnamurthy, Dr. Senthil Raja, Dr. Alekh N Sahu, Dr. Ruchi Chawla, Dr. M. S. Muthu, Dr. Gyan Prakash Modi, Dr. Vinod Tiwari, Dr. Sunil Kumar Mishra, Dr. Prasanta Kumar Nayak, Dr. Shreyans Kumar Jain, Dr. Rajnish, Dr. Deepak Kumar, Dr. Dinesh Kumar, Dr. Jairam Meena, Dr. Ashok Kumar, and Dr. Arun Khatri not only for their insightful comments and encouragement, but also for the hard questions which encourage me to widen my research from various perspectives. Without their precious support, it would not have been possible to conduct this research.

The efforts of the non-teaching staff Mr. Yashwant Singh, Mr. Anand, Mr. Atul, Mr. A. N. Upadhyay, and other non-teaching staff members of the department could never go unnoticed who continuously lent their support and technical assistance during the tenure of the research. Also special thanks to Mr. Virendra (Pharmaceutics and Microbiology lab assistant) for his support during research work.

I would like to express my gratitude towards my seniors Dr. Meraj Anjum and Dr. K. K. Patel for their guidance in Anti-biofilm studies. I am indeed thankful to my labmates in the Nanomedicine Research lab, Mr. Dulla Naveen Kumar, Ms. Aiswarya Choudhury, Mr. Rohit Patil, Ms. Komal Rani, Ms. Udit Shromani and Mr. Sourav for making wonderful friendly environment in lab which made my work fruitful and enjoyable. They always had a friendly attitude and, at the same time, provided with their valuable suggestions, which helped me in carrying out my research work. I am thankful to Dr. Mayank Gangwar, Dr. Alka, Dr. Akshay Kumar, Mr. Rajesh Kumar, Ms. Sonam Rastogi, Mr. Subhash, Ms. Ritu, Mr. Deepak and all VRDL members, IMS, Banaras Hindu University for helping me during micro-biological and in vivo antibacterial studies.

Special thanks to my classmate and close friend Abhishesh Kumar Mehata who's moral and confidence boosting support always inspired me in whatever contrive I think off. My thankful regards to my affectionate friends Mr. Sandeep Kumar, Ms. Vishnupriya, Mr. Bhanukiran, Mr. Tarkeshwar Dubey, Ms. Shreyashi, Ms. Sangita Hazarika, Ms. Swetha,

Mrs. Vineeta Tiwari, Mrs. Kanchan Bharti for their pleasant company, co-operation, and help during research work.

*This work would not have been possible without the financial support of the **Ministry of Education**, Government of India, New Delhi. I greatly acknowledge the **Centre Instrumental Facility (IIT(BHU))**, **Central Discovery Center (SATHI-BHU)**, **Department of Geology (BHU)**, and **Sophisticated Analytical Instrumentation Facility (AIIMS-Delhi)** for providing the facility of Instrumental analysis.*

*Nobody has been more important to me in the pursuit of this project than the members of my family. I would like to thank my **Father (Mr. Bharat Lal Dehari)** and **Mother (Mrs. Shanti Dehari)**, whose love and guidance are with me in whatever I pursue. The persons with the greatest contribution in this thesis are my **father and mother**. I cannot stress enough the part they have played all my life and continues to do so still. They, for me, is the epitome of love, kindness, and strength. They are my ultimate role model. A special thanks to my loving **Brother and sisters Jitendra, Pushpa, Kusum, Tamesh, Ishu** who always encouraged me, shared my sorrows, and made me laugh in my tough times. I am also thankful to all my college and school friends **Jyotsana, Himani, Durgesh, Murku, Ramu, Jaya, Satya, Bhupendra, Ashay, Avinash, Urmila, and Mamta** always being there for me.*

*In closing, I'd want to express my gratitude to the **Almighty God**, who has blessed me with enough strength, courage and eternally supported me in pursuing all my dreams and goals and for having shown me the way of life. Lastly, I pray to Almighty for the '**Moksha**' of all the animals utilized in my experiments during the tenure of my research work, whose sacrifices proved the truth of my thesis work done for treating the ailments in humans. Last but not least, I am grateful and would like to **thank everybody** who in some or the other way contributed to this research work and motivated me to overcome hurdles during this journey.*

Date: 24/08/2023

Place: Varanasi


Deepa Dehari

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ABBREVIATIONS AND SYMBOLS

Abbreviations	Full form
AMR	Antimicrobial resistance
MDR	Multiple drug resistance
FDA	Food and Drug Administration
WHO	World Health Organization
<i>S. aureus</i>	<i>Staphylococcus aureus</i>
<i>P. aeruginosa</i>	<i>Pseudomonas aeruginosa</i>
<i>A. baumannii</i>	<i>Acinetobacter baumannii</i>
<i>K. pneumoniae</i>	<i>Klebsiella pneumoniae</i>
BPs	Bacteriophages
MRSA	Methicillin-resistant <i>S. aureus</i>
VRSA	Vancomycin-resistant <i>S. aureus</i>
BPKPΦ1	Bacteriophage against <i>K. pneumoniae</i>
BPABΦ1	Bacteriophage against <i>A. baumannii</i>
BPSAΦ1	Bacteriophage against <i>S. aureus</i>
BPPAΦ1	Bacteriophage against <i>P. aeruginosa</i>
MPs	Microparticles
CHMPs	Chitosan microparticles
BPKPΦ1- CHMPs	<i>K. pneumoniae</i> bacteriophage chitosan microparticles
BPABΦ1- CHMPs	<i>A. baumannii</i> bacteriophage chitosan microparticles
BPSAΦ1- CHMPs	<i>S. aureus</i> bacteriophage chitosan microparticles
BPPAΦ1- CHMPs	<i>P. aeruginosa</i> bacteriophage chitosan microparticles
DLAO	Double-layer agar overlay
TEM	Transmission electron microscopy

SEM	Scanning electron microscopy
SSD	Silver sulfadiazine
USG/PA	Ultrasound/Photoacoustic
mg	Milligram
min	Minute
ml	Milliliter
mM	Millimoles
PBS	Phosphate buffered saline
rpm	Round per minute
S.D.	Standard deviation
UV	Ultraviolet
AFM	Atomic force microscopy
ANOVA	Analysis of variance
AFM	Atomic force microscopy
CLSM	Confocal laser scanning microscopy
