



*In loving memory of my mother, Manjusha*



DEPARTMENT OF PHYSICS  
INDIAN INSTITUTE OF TECHNOLOGY  
(BANARAS HINDU UNIVERSITY)  
VARANASI - 221005



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**Dr. Avanish Singh Parmar**

(Supervisor)

Department of Physics

Indian Institute of Technology

(Banaras Hindu University)

*Dr. Avanish Singh Parmar*  
Associate Professor  
Department of Physics  
IIT (BHU)  
Varanasi-221005

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(Mr. Kaustubh Naik)


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**Dr. Avanish Singh Parmar**  
(Supervisor)  
Department of Physics  
Indian Institute of Technology  
(Banaras Hindu University)  
Varanasi

*Dr. Avanish Singh Parmar*  
Associate Professor  
Department of Physics  
IIT (BHU)  
Varanasi-221005



**Prof. Sandip Chatterjee**  
(Head)  
Department of Physics  
Indian Institute of Technology  
(Banaras Hindu University)  
Varanasi  
HEAD/विभागाध्यक्ष

भौतिकी विभाग/Deptt. of Physics  
भारतीय प्रौद्योगिकी संस्थान (काठिंडी वि०)/IIT (BHU)  
वाराणसी/Varanasi-221005

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**Date:**

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## **LIST OF ABBREVIATIONS**

3D	Three-Dimensional
BSA	Bovine Serum Albumin
CD31	Cluster of Differentiation 31
CD68	Cluster of Differentiation 68
CNT	Carbon Nanotubes
DLS	Dynamic Light Scattering
DPPH	2,2-Diphenyl-1-picrylhydrazyl (Free Radical Scavenging Assay)
EGFR	Epidermal Growth Factor Receptor
FTIR	Fourier Transform Infrared Spectroscopy
HA	Hyaluronic Acid
HPLC	High-Performance Liquid Chromatography
IHC	Immunohistochemistry
IL-1 $\beta$	Interleukin-1 Beta
MTT	3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyltetrazolium Bromide
mRNA	Messenger Ribonucleic Acid
NIR	Near-Infrared
NMR	Nuclear Magnetic Resonance
PBS	Phosphate-Buffered Saline