

CHAPTER 58

TECHNOLOGY  
BIOLOGICAL SCIENCES AND  
ENGINEERING

Doctoral Theses

01. GUPTA (Akanksha)  
**Structural Bioinformatics Studies on Proteins Involved in Pathogenesis of Cardiovascular of Diseases.**  
Supervisor: Dr. Sonika Bhatnagar  
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1. Introduction 2. Materials and methods 3. A network biology approach to study the progression of atherosclerosis to induce microvascular ocular effects: core mechanism, drug targets and unique molecular signature Vasoregression: A Shared pathology in the development of microvascular and macrovascular complications 5. Effect of calcium ion removal on thrombospondin 1 signature domain: A molecular dynamics simulation approach 6. Conclusions and future prospects. List of publications. Bibliography. Appendix.