CONTENTS

LIST OF TITLES

CHAPTER-2

Eosin Y-Catalyzed Synthesis of 3-Aminoimidazo[1,2-*a*]Pyridines via the HAT Process under Visible Light through Formation of the C-N Bond

CHAPTER-3

Visible-Light-Promoted Synthesis of Fused Imidazoheterocycle by Eosin Y under Metal-Free and Solvent-Free Conditions

CHAPTER-4

Green Synthesis of Pyrimido[4,5-b]Quinolines and Pyrido [2,3-d] Pyrimidines via mechanochemical approach

CHAPTER-5

Transition metal-free Synthesis of Pyrido[2,3-d]pyrimidines via Csp^3/Csp^2-H functionalization using $K_2S_2O_8$ as Oxidant

CHAPTER-6

Summary and Conclusion

List of research publications

List of Schemes