Preface
Chapter 1

Introduction to Sydnones
Chapter 2

Synthesis of novel 1,2,4-triazolin-3-ones as anti-proliferative agents

Chapter 3

Synthesis of 1,2,4-triazolin-3-ones appended with fused Nitrogen and Sulphur heterocycles as antimicrobial agents
Chapter 4

Pyrazole - Functionalised with carboxylic acid, amide, bis-carboxylic acid, bis-amide, tetrazole and 1,3,4-oxadiazole as antifungal agents
Chapter 5: Part A

Synthesis and \( N \)-alkylation of 5-(1-aryl-1H-pyrazol-3-yl)-1H-tetrazoles as anti-hyperglycemic agents
Chapter 5: Part B

Synthesis of β-D-gluco/xylopyranosyl-5-(1-aryl-1H-pyrazol-3-yl)-1H-tetrazoles as anti-hyperglycemic agents
Chapter 5: Part C

Anti-hyperglycemic activity

Fasting 24 h

Wistar albino rat → Alloxan induced diabetic rat

Dose was given orally 100 mg/kg

Animal house Reg. No. 639/02/A/CPCSEA, Dated: 19-07-2002
Chapter 6

Expedient synthesis of benzimidazoles using amides

Published in RSC Adv., 2015, 5, 29447–29455