

** C O N T E N T S **

CHAPTER	TITLE	PAGE
	Certificate of Guide	...
	Acknowledgement	...
	Synopsis	...
I	INTRODUCTION	...
	Introduction	... 1
	Review of Literature	... 6
	References	... 15
II	EXPERIMENTAL	...
	<u>Part-I</u>	
	Synthesis of some new thiazolidinone derivatives of N ¹ -substituted 6-chloro-4-methyl quinolin-2(1H)-one	
i)	General synthetic methodology and general remark	... 39
ii)	Synthesis of Acetoacetanilides	... 41
iii)	Synthesis of 6-Chloro-4-methyl-quinolin-2(1H)-one	... 41
iv)	Synthesis of N ¹ -Carbethoxy-6-chloro-4-methylquinolin-2(1H)-one	... 43
v)	Synthesis of N ¹ -Hydrazido-6-chloro-4-methylquinolin-2(1H)-one	... 46
vi)	Synthesis of N ¹ -(4-Nitrobenzylidene)hydrazido)-6-chloro-4-methyl quinolin-2(1H)-one	... 46
vii)	Synthesis of 3-(6-chloro-4-methyl-2-oxoquinolino-1-amidyl)-2-(4-nitro-phenyl)-1,3-thiazolidin -4(1H)-one	... 51



 M.A.R.L. BALAJI COLLEGE LIBRARY, CHENNAI

CHAPTER	TITLE	PAGE
<hr/>		
Part-II		
Synthesis of some new thiazolidinone derivatives of N ¹ -Acetylhydrazido-8-chloro-4-methyl quinolin-2(1H)-one		
i)	Synthesis of Acetoacetanilide	... 53
ii)	Synthesis of 8-chloro-4-methyl quinolin-2(1H)-one	... 53
iii)	Synthesis of N ¹ -Methoxycarbonyl methyl-8-chloro-4-methyl-quinolin-2(1H)-one	... 55
iv)	Synthesis of N ¹ -Acetylhydrazido-8-chloro-4-methylquinolin-2(1H)-one	... 57
v)	Synthesis of N ¹ (Benzylideneacetyl-hydrazido)-8-chloro-4-methylquinolin-2(1H)-one	... 62
vi)	Synthesis of N ¹ -3-(8-chloro-4-methyl-quinolino-1-acetamidyl)-2-(phenyl)-1,3-thiazolidin-4(1H)-one	... 66
<hr/>		
Part-III		
Synthesis of some new thiazolidinone derivatives of N ¹ -Hydrazido-4,6-dimethylquinolene-2(1H)-one		
i)	synthesis of Acetoacetanilide	... 69
ii)	Synthesis of 4,6-Dimethyl-quinolin-2(1H)-one	... 69
iii)	Synthesis of N ¹ -carbethoxy-4,6-dimethylquinolin-2(1H)-one	... 71

CHAPTER	TITLE	PAGE
iv)	Synthesis of N ¹ -Hydrazido-4,6-dimethylquinolin-2(1H)-one	... 73
v)	Synthesis of N ¹ (2-Nitrobenzyl-denehydrazido)-4,6-dimethyl-quinolin-2(1H)-one	... 75
vi)	Synthesis of 3-(4,6-Dimethyl-2-oxoquinolino-1-amidyl)-2-(2-nitrophenyl)-1,3-thiazolidin-4(1H)-one	... 78
<u>Part-IV</u>		
Synthesis of some new thiazolidinone derivatives of N ¹ -Acetylhydrazido-6-chloro-2-methylquinolin-4(1H)-one		
i)	Synthesis of Acetoacetanilide	... 82
ii)	Synthesis of 6-Chloro-2-methyl-quinolin-4(1H)-one	... 82
iii)	Synthesis of N ¹ -Acetylcarbmethoxy-6-chloro-2-methylquinolin-4(1H)-one	... 84
iv)	Synthesis of N ¹ -Acetylhydrazido-6-chloro-2-methylquinolin-4(1H)-one	... 85
v)	Synthesis of N ¹ -(Benzylideneacetyl-hydrazido)-6-chloro-2-methylquinolin-4(1H)-one	... 85
vi)	Synthesis of 3-(6-chloro-2-methyl-4-oxoquinolino-1-acetamidyl)-2-(phenyl)-1,3-thiazolidin-4(1H)-one	... 88

CHAPTER	TITLE	PAGE
<hr/>		
<u>Part-V</u>		
Synthesis of some new thiazolidinone derivatives of N ¹ -Hydrazido-8-chloro-2-methylquinolin-4(1H)-one		
i)	Synthesis of Acetoacetanilide	... 91
ii)	Synthesis of 8-chloro-2-methyl quinolin-4(1H)-one	... 91
iii)	Synthesis of N ¹ -carbethoxy-8-chloro-2-methylquinolin-4(1H)-one	... 93
iv)	Synthesis of N ¹ -Hydrazido-8-chloro-2-methylquinolin-4(1H)-one	... 94
v)	Synthesis of N ¹ -(Benzildenehydrazido)8-chloro-2-methylquinoline-4(1H)-one	... 94
vi)	Synthesis of 3-(8-Chloro-2-methyl-4-oxoquinolino-1-amidyl-2-(phenyl)-1,3-thiazolidin-4(1H)-one	... 97
III	ANTIMICROBIAL SCREENING	
Experimental, Antimicrobial screening data.		... 99
