INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI
SHORT ABSTRACT OF THESIS

Name of the Student	:	**SAGHIR ALI**
Roll Number	:	**176122105**
Programme of Study	:	**Ph.D.**
Thesis Title: **Newer Synthetic Approaches for the Disubstituted Quinolines from Aryl Amines**		
Name of Thesis Supervisor(s)	:	**Prof. Abu T. Khan**
Thesis Submitted to the Department/ Center	:	**Department of Chemistry**
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Key words for description of Thesis Work	:	**Aryl Amines, Nitroalkene, Styrene Oxide, Aryl Aldehyde, Aryl Acetylene, Substituted Quinolines, Bismuth Triflate, Ytterbium Triflate, Copper Triflate, Molecular Iodine.**

SHORT ABSTRACT

The thesis entitled "Newer Synthetic Approaches for the Disubstituted Quinolines from Aryl Amines" describes the synthesis of 2,3- and 2,4-disubstituted quinoline derivatives. The thesis has been divided into three chapters based on the adept experimental results, which were carried out during the entire research period. Chapter II has been subdivided into three parts A, B and C. Chapter III has also been subdivided into part A and B.

Chapter 1 conveys a brief introduction to disubstituted quinolines and its importance.
Chapter 2 reports the synthesis of 2,3-disubstituted quinolines.
Part A describes the synthesis of 2,3-dialkylquinolines.
Part B explains the synthesis of 2-benzyl-3-phenylquinolines.
Part C discusses the synthesis of 2,3-diarylquinolines.
Chapter 3 describes the synthesis of 2,4-disubstituted quinolines.
Part A illustrates the synthesis of quinoline-2,4-dicarboxylates.
Part B explains the synthesis of 2-benzyl-4-phenylquinolines.