

**Inhibition of Acetylcholinesterase activity using various medicinal plants**

A Major Project report submitted

in partial fulfilment of the award of the degree of

**MASTER OF TECHNOLOGY**  
**IN**  
**INDUSTRIAL BIOTECHNOLOGY**

*Submitted by*

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## CERTIFICATE

This is to certify that the M. Tech. major project entitled **“Inhibition of Acetylcholinesterase activity using various medicinal plants”**, submitted by **Ruchi Choudhary (2K13/IBT/16)** for the award of the degree of **“Master of Technology”** in Industrial Biotechnology is a record of bonafide work carried out by her. Ruchi has worked under our guidance and supervision and fulfilled the requirements for the submission of the thesis. The project work has been carried out during the session 2015.

To the best of our knowledge and belief the content therein is her own original work and has not been submitted to any other university or institute for the award of any degree or diploma.

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DATE:

(RUCHI CHOUDHARY)

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## LIST OF ABBREVIATIONS

### ABBREVIATIONS

AD

Ach

AChE

BChE

AChEI

TAPHM

CNS

ANS

nAChR

mAChR

NINCDS

ADRDA

CT

FDA

DTNB

ATCI

HPLC

### FULL FORMS

Alzheimer's Disease

Acetylcholine

Acetylcholinesterase

Butylcholinesterase

AChE Inhibitor

Traditional Arabic Palestinian Herbal  
Medicine

Central Nervous System

Autonomic Nervous System

Nicotinic ACh Receptor

Muscarinic Ach Receptor

National Institute of Neurological Communicative  
Disorders & Stroke

Alzheimer's Disease & Related Disorders

Computed Tomography

Food & Drug Administration

5,5'-DITHIO-BIS(2-NITROBENZOIC ACID)

Acetyl Thiocholine Iodide

High Performance Liquid Chromatography