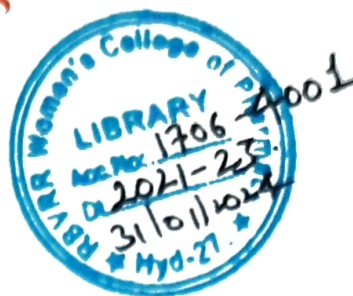


STRUCTURE BASED VIRTUAL SCREENING, MOLECULAR DOCKING, SYNTHESIS AND BIOLOGICAL EVALUATION OF BENZOTHAZOLE AND 1,3,4 -OXADIAZOLE HYBRIDS AS ORAL ANTIDIABETIC AGENTS



Dissertation Submitted to Faculty of Pharmacy

OSMANIA UNIVERSITY

HYDERABAD

Submitted by

Mameena Sahoo B. Pharm

Regd.No:170621884001

In Partial fulfillment of the requirements for the degree of

MASTER OF PHARMACY

IN

PHARMACEUTICAL CHEMISTRY

Under the guidance of

Dr. M. Vijaya Bhargavi M.Pharm, Ph.D



DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

RBVRR WOMEN'S COLLEGE OF PHARMACY

HYDERABAD

DECEMBER-2023

CERTIFICATE

This is to certify that the dissertation entitled "Structure based Virtual Screening, Molecular Docking, Synthesis and Biological Evaluation of Benzothiazole and 1,3,4-Oxadiazole Hybrids as oral antidiabetic agents" is a bonafied research done by Mameena Sahoo (Red.no:170621884001) in RBVRR Women's College of Pharmacy, Barkatpura, Hyderabad, Telangana under my guidance and supervision in partial fulfillment of the requirement for the award of the degree of Master of Pharmacy in Pharmaceutical Chemistry and this work has not been submitted to any university on part or full for the award of any degree/diploma.

Date: 22/12/2023

Place: Hyderabad

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Dr. M. Vijaya Bhargavi M.Pharm, Ph.D

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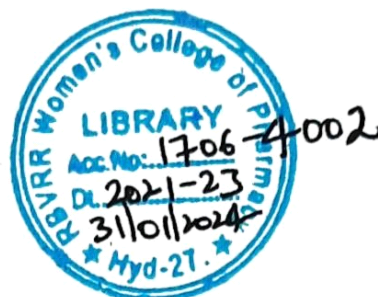
**Dept. of Pharmaceutical Chemistry
RBVRR Women's College of Pharmacy
Barkatpura, Hyderabad - 500 027 (TS)**

**QSAR BASED VIRTUAL SCREENING, MOLECULAR
DOCKING, SYNTHESIS AND BIOLOGICAL
EVALUATION OF INDOLE AND QUINAZOLINONE
HYBRID DERIVATIVES AS PI3K INHIBITORS FOR
THE TREATMENT OF CANCER**

Dissertation Submitted to the Faculty of Pharmacy

OSMANIA UNIVERSITY

HYDERABAD



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In partial fulfilment of the requirements for the degree of

MASTER OF PHARMACY

IN

PHARMACEUTICAL CHEMISTRY

Under the Guidance of

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November 2023

CERTIFICATE BY THE SUPERVISOR

This is to certify that the dissertation entitled “ **QSAR BASED VIRTUAL SCREENING, MOLECULAR DOCKING, SYNTHESIS AND BIOLOGICAL EVALUATION OF INDOLE AND QUINAZOLINONE HYBRID DERIVATIVES AS PI3K INHIBITORS FOR THE TREATMENT OF CANCER**” is submitted to Osmania University for the partial fulfillment of requirement for the award of degree of **Master of Pharmacy in Pharmaceutical Chemistry** under the faculty of embodies the results and studies of bonafide research work of **Shafia Sultana (Regd no: 170621884002)** under the supervision of **Dr. M. Vijaya Bhargavi, Associate Professor at RBVRR Women's College of Pharmacy, Barkatpura, Hyderabad, Telangana** and the content of the thesis do not form the basis for the award of any other degree or diploma to the candidate from this or any other university elsewhere

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STRUCTURE-BASED VIRTUAL SCREENING, MOLECULAR DOCKING, SYNTHESIS AND BIOLOGICAL EVALUATION OF 1,3,4-OXADIAZOLE AND 1,2,4-TRIAZOLE DERIVATIVES AS ANTIBACTERIAL AGENTS

Dissertation Submitted to the Faculty of pharmacy

OSMANIA UNIVERSITY, HYDERABAD



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In partial fulfillment of the requirements for the degree of

MASTER OF PHARMACY

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