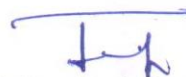


## CERTIFICATE

This is to certify that the work presented in the project work entitled "**LITERATURE REVIEW ON SYNTHESIS AND BIOLOGICAL ACTIVITY OF PYRIDINE DERIVATIVES**" is an authentic record of literature review carried out by **Abhilasha N**, a student of **M.Sc. (IV Sem) Organic Chemistry**, as a partial fulfilment for the award of **Masters of Science in Organic Chemistry**, Mangalore University. This work was carried out under the guidance of **Dr. Jagadeesh Prasad D.** Professor in Chemistry, Department of Chemistry, Mangalore University.



Dr. Jagadeesh Prasad D.  
Professor and chairman  
Department of Chemistry  
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**CHAIRMAN**  
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## CERTIFICATE

This is to certify that the work presented in the project work entitled "**LITERATURE REVIEW ON SYNTHESIS AND BIOLOGICAL ACTIVITY OF PYRIDINE DERIVATIVES**" is an authentic record of literature review carried out by Akshatha J, a student of M.Sc. (IV Sem.) Organic Chemistry, as a partial fulfilment for the award of Masters of Science in Organic Chemistry, Mangalore University. This work was carried out under the guidance of Dr. Jagadeesh Prasad D. Professor in Chemistry, Department of Chemistry, Mangalore University.



Dr. Jagadeesh Prasad D.  
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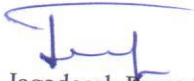
**CHAIRMAN**  
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## CERTIFICATE

This is to certify that the work presented in the project work entitled “**LITERATURE REVIEW ON SYNTHESIS AND BIOLOGICAL ACTIVITIES OF PYRIDINE DERIVATIVES**” is an authentic record of literature review carried out by Akshatha.S, a student of M.Sc. (IV Sem.) Organic Chemistry, as a partial fulfillment for the award of Masters of Science in Organic Chemistry, Mangalore University. This work was been carried out under the guidance of Dr. Jagadeesh Prasad D, Professor in Chemistry, Department of Chemistry, Mangalore University, Mangalagangothri.



  
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## CERTIFICATE

This is to certify that the work presented in the Project Report entitled, "**A LITERATURE REVIEW ON SYNTHESIS AND APPLICATIONS OF BENZOFURAN DERIVATIVES**" is an authentic record of literature review carried out by Ms. Akshitha U., a student of M.Sc. (IV Sem.) Organic Chemistry, as a partial fulfilment for the award of Master of Science in Organic Chemistry, Mangalore University. This work has been carried out under the guidance of Dr. Boja Poojary, Professor, Department of Chemistry, Mangalore University.



  
**Dr. Boja Poojary**

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**Dr. Jagadeesh Prasad D.**

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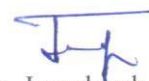
**CHAIRMAN**  
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This is to certify that the work presented in the Project Report entitled “A LITERATURE REVIEW ON SYNTHESIS AND APPLICATIONS OF BENZOFURAN DERIVATIVES” is an authentic record of literature review carried out by Ms. Ananya Rai M, a student of M.Sc. (IV Sem.) Organic Chemistry, as a partial fulfilment for the award of Masters of Science in Organic Chemistry, Mangalore University. This work has been carried out under the guidance of Dr. Boja Poojary, Professor, Department of Chemistry, Mangalore University.



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This is to certify that the work presented in the Project Report entitled "**A LITERATURE REVIEW ON SYNTHESIS AND APPLICATION OF BENZOFURAN**" is an authentic record of literature review carried out by Anukeerthana H.B, a student of M. Sc (IV Sem) Organic Chemistry, as a partial fulfilment for the award of Master of Science in Organic Chemistry, Mangalore University. This work has been carried out under the guidance of Dr. Boja Poorary, Professor, Department of Chemistry, Mangalore University, Mangalagangothri.



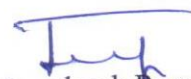
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Dr. Jagadeesh Prasad D

Professor and Chairman

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## CERTIFICATE

This is to certify that the work presented in the project work entitled “**LITERATURE REVIEW ON SYNTHESIS AND BIOLOGICAL ACTIVITY OF SCHIFF AND MANNICH BASES**” is an authentic record of literature review carried out by **Charishma N S**, a student of **M.Sc. (IV Sem) Organic Chemistry**, as a partial fulfilment for the award of **Masters of Science in Organic Chemistry**, Mangalore University. This work was carried out under the guidance of **Dr. Jagadeesh Prasad D.** Professor and Chairman, Department of Chemistry, Mangalore University.



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## CERTIFICATE

This is to certify that the Project Report entitled, "**Synthesis and biological activities of [1,2,3] triazoles**" was carried out at **Mangalore University**, a student of **M.Sc (Fourth semester) Organic Chemistry** in partial fulfilment for the award of the **Degree of Master of Science in Organic Chemistry**, Mangalore University, Mangalagangothri during the year 2019-2021.

This work was carried out under the guidance of **Dr. D. Jagadeesh Prasad**, Reader, Dept. of Chemistry, Mangalore University, Mangalagangothri.



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## CERTIFICATE

This is to certify that the work entitled “**LITERATURE REVIEW ON ANXIOLYTIC DRUGS**” is an authentic record of literature review carried out by Ms. Dhanyashree K, a student of M.Sc (IV Semester) Organic Chemistry, as a partial fulfilment for the award of Master of Science in Organic Chemistry, Mangalore University, Mangalagangothri. This work has been carried out under the guidance of Dr. Jagadeesh Prasad D, Professor in Chemistry, Department of Chemistry, Mangalore University, Mangalagangothri.




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## CERTIFICATE

This is to certify that the work presented in the dissertation entitled “**Synthesis of Heterocyclic Compounds From Ketenedithioacetals**” is an authentic record of literature review carried out by **Ms. Divya**, a student of M.Sc. ( IV semester) Organic Chemistry, in partial fulfillment of the requirements for the award of the degree of Master of Science in Organic Chemistry. This work has been carried out under the guidance of Dr. M. R. Maddani, Assistant Professor, Department of Chemistry, Mangalore University.

  
20/11/2021

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## CERTIFICATE

This is to certify that the work presented in the dissertation entitled “**Synthesis of heterocyclic compounds from ketene dithioacetals**” is an authentic record of literature review carried out by **Mr. Ishwar Bendawade**, a student of MSc (IV Semester) Organic Chemistry, in partial fulfillment of the requirements for the award of the degree of Masters of Science in Organic Chemistry. This work has been carried out under the guidance of Dr. M. R. Maddani, Assistant Professor, Department of Chemistry, Mangalore University.



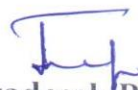
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**Prof. Jagadeesh Prasad D.**

Chairman

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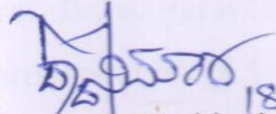
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**Department of Studies in Chemistry  
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This is to certify that the work presented in the dissertation entitled **"Synthesis of Heterocycles from Ketene Dithioacetals"** is an authentic record of literature review carried out by **Ms. Jyothi B.**, a student of M.Sc. IV Semester Organic Chemistry in partial fulfilment of the requirements for the award of degree of Master of Science in Organic Chemistry, Mangalore University. This work has been carried out under the guidance of Dr. M. R. Maddani, Assistant Professor, Department of Chemistry, Mangalore University, Mangalagangothri.

  
Dr. M. R. Maddani

18/11/2021

Assistant Professor  
Department of Chemistry  
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## CERTIFICATE

This is to certify that the work presented in the project work entitled “**LITERATURE REVIEW ON SYNTHESIS AND BIOLOGICAL ACTIVITY OF TRIAZOLE DERIVATIVES**” is an authentic record of literature review carried out by **Kavyashree A R**, a student of **M.Sc. (IV Sem) Organic Chemistry**, as a partial fulfilment for the award of **Masters of Science in Organic Chemistry**, Mangalore University. This work was carried out under the guidance of **Dr. Jagadeesh Prasad D.** Professor and chairman, Department of Chemistry, Mangalore University.



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## CERTIFICATE

This is to certify that the work presented in the project work entitled “**LITERATURE REVIEW ON SYNTHESIS AND BIOLOGICAL ACTIVITIES OF TRIAZOLE DERIVATIVES**” is an authentic record of literature review carried out by **Lathashree R K**, a student of **M.Sc. (IV Sem.) Organic Chemistry**, as a partial fulfillment for the award of **Master of Science in Organic Chemistry**, Mangalore University. This work has been carried out under the guidance of **Dr. Jagadeesh Prasad D**, Professor in Chemistry, Department of Chemistry, Mangalore University, Mangalagangothri.



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## CERTIFICATE

This is to certify that the work presented in the project work entitled "**LITERATURE REVIEW ON SYNTHESIS AND BIOLOGICAL ACTIVITY OF 1,2,4-TRIAZOLE**" is an authentic record of literature review carried out by Likhitha S, a student of M.Sc.(IV Sem.) Organic Chemistry, as a partial fulfilment for the award of Masters of Science in Organic Chemistry, Mangalore University. This work was carried out under the guidance of Prof. Jagadeesh Prasad D. Professor in Chemistry, Department of Chemistry, Mangalore University.



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## CERTIFICATE

This is to certify that the work presented in the Project Report entitled "A LITERATURE REVIEW ON SYNTHESIS AND APPLICATIONS OF PYRROLE DERIVATIVES" is an authentic record of literature review carried out by Ms. Madhuri Madhav Puranik, a student of M.Sc. (IV Sem.) Organic Chemistry, as a partial fulfilment for the award of Master of Science in Organic Chemistry, Mangalore University. This work has been carried out under the guidance of Dr. Boja Poojary, Professor, Department of Studies in Chemistry, Mangalore University.



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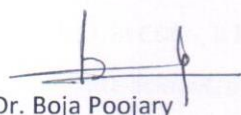
Dr. Jagadeesh Prasad D.  
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This is to certify that the work presented in the project work entitled “A LITERATURE REVIEW ON SYNTHESIS AND APPLICATIONS OF PYRROLE DERIVATIVES” is an authentic record of literature review carried out by Mehanaz Sarzina, a student of M.Sc. (IV Sem.) Organic Chemistry, as a partial fulfilment for the award of Masters of Science in Organic Chemistry, Mangalore University. This work has been carried out under the guidance of Dr. Boja Poojary, Professor, Department of Chemistry, Mangalore University, Mangalagangothri.



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Department of Chemistry  
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This is to certify that the work presented in the Project Report entitled “A LITERATURE REVIEW ON THE SYNTHESIS AND APPLICATION OF PYRROLE DERIVATIVES” is an authentic record of literature review carried out by Ms. Neha. M. M, a student of MSc. (IV Sem.) Organic Chemistry, as a partial fulfillment for the award of Master of Science in Organic Chemistry, Mangalore University. This work has been carried out under the guidance of Dr. Boja Poojary, Professor, Department of Chemistry, Mangalore University.

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This is to certify that the work presented in the work entitled “A LITERATURE REVIEW ON NONSTEROIDAL HORMONES” was carried out by Ms. Poojari Nishrtha Padmanabha, a student of M. Sc. (IV Sem.) Organic Chemistry, as a partial fulfilment for the award of Master of Science in Organic Chemistry, Mangalore University. This work was carried out under the guidance of Dr. Jagadeesh Prasad D, Professor in Chemistry, Department of Chemistry, Mangalore University, Mangalagangothri.



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This is to certify that the work presented in the work entitled “**A LITERATURE REVIEW ON CHALCONES AS BIOLOGICAL SCAFFOLDS**” was carried out by Ms. Poornima S, a student of M. Sc. (IV Sem.) Organic Chemistry, as a partial fulfilment for the award of Master of Science in Organic Chemistry, Mangalore University. This work was carried out under the guidance of Dr. Jagadeesh Prasad D, Professor, Department of Chemistry, Mangalore University, Mangalagangothri.



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This is to certify that the project report entitled “**carbon-carbon bond forming reactions**” was carried out by Ms. Raksha A, student of M.Sc. IV Semester Organic Chemistry in partial fulfillment for the award of degree of Master of Science in Organic Chemistry, Mangalore University.

The project work was carried out under the Guidance of Prof Dr.D.Jagadeesh Prasad, Department of Chemistry, Mangalore University, and Mangalagangothri



Prof..Dr.Jagadeesh.Prasad

Professor and Chairman

Department of Chemistry

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## CERTIFICATE

This is to certify that the work presented in the dissertation entitled “**STRATEGIES TOWARDS THE SYNTHESIS OF N-SUBSTITUTED 1,2,3-TRIAZOLES AND THEIR BIOLOGICAL ACTIVITIES**” is an authentic record of literature review carried out by **RASHMI P. K.** a student of M.Sc. IV Semester Organic Chemistry in partial fulfilment for the award of degree of Master of Science in Organic Chemistry, Mangalore University.

The project work has been carried out under the guidance of Dr. M. R. Maddani, Assistant Professor, Department of Chemistry, Mangalore University, Mangalagangothri.

  
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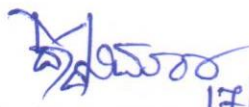
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## CERTIFICATE

This is to certify that this project on the topic “Literature Review on C-H Functionalizations of 1,2,3 Triazoles” by Ms. Rashmitha Shetty of M.Sc. IV Semester Organic Chemistry in partial fulfilment for the award of degree of Master of Science in Organic Chemistry, Mangalore University.

The project work was carried out under the guidance of Dr. M. R. Maddani, Department of Chemistry, Mangalore University, Mangalagangothri.



  
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Department of Chemistry

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## CERTIFICATE

This is to certify that the work presented in the dissertation entitled “**Synthetic Methods and Biological Activities of 1,2,3-Triazoles**” is an authentic record of literature review carried out by **Ms. Roopashree**, a student of MSc (IV Semester) Organic Chemistry, in partial fulfillment of the requirements for the award of the degree of Masters of Science in Organic Chemistry. This work has been carried out under the guidance of Dr. M. R. Maddani, Assistant Professor, Department of Chemistry, Mangalore University.





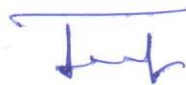
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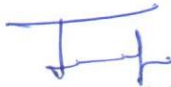
**MANGALAGANGOTHRI- 574 199**



## CERTIFICATE

This is to certify that the project entitled "SYNTHESIS AND BIOLOGICAL ACTIVITIES OF PYRIMIDINE DERIVATIVES" the bonafide work carried out by, **SAMPATH NAIK** II year (4<sup>th</sup> semester) M.Sc.Organic Chemistry, under the guidance of Prof. Jagadeesh Prasad D as a part of his academic year 2020-2021 in the partial fulfillment of the requirement for the award of the degree of Master of Science in Chemistry.



  
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## CERTIFICATE

This is to certify that the work presented in the project work entitled “**LITERATURE REVIEW ON SYNTHESIS AND BIOLOGICAL ACTIVITIES OF PYRIMIDINE DERIVATIVES**” is an authentic record of literature review carried out by Saniya Thonse, a student of M.Sc. (IV Sem.) Organic Chemistry, as a partial fulfillment for the award of Masters of Science in Organic Chemistry, Mangalore University. This work has been carried out under the guidance of Dr. Jagadeesh Prasad D, Professor and Chairman, Department of Chemistry, Mangalore University, Mangalagangothri.

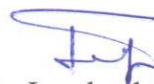


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## CERTIFICATE

This is to certify that the work presented in the project work entitled “A LITERATURE REVIEW ON SYNTHESIS AND BIOLOGICAL ACTIVITIES OF PYRIMIDINE DERIVATIVES” is an authentic record of literature review carried out by Sharanya, a student of M.Sc. (IV Sem.) Organic Chemistry, as a partial fulfilment for the award of Masters of Science in Organic Chemistry, Mangalore University. This work was carried out under the guidance of Dr. Jagadeesh Prasad D, Professor in Chemistry, Department of Chemistry Mangalore University.



Dr. Jagadeesh Prasad D.

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**CHAIRMAN**


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## CERTIFICATE

This is to certify that the work presented in the project report entitled “**LITERATUREREVIEW ON SYNTHESIS AND APPLICATIONS OF BENZOCOUMARIN DERIVATIVES**” is an authentic record of literature review carried out by Ms. Shraddha K, a student of M.Sc. (IV Sem.) Organic Chemistry, as a partial fulfilment for the award of Masters of Science in Organic Chemistry, Mangalore University. This work has been carried out under the guidance of Dr. Boja Poojary, Professor in Chemistry, Department of Chemistry, Mangalore University.

  
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## CERTIFICATE

This is to certify that the work presented in the Project Report entitled, “**A LITERATURE REVIEW ON THE SYNTHESIS AND APPLICATIONS OF BENZOCOUMARIN DERIVATIVES**” is an authentic record of literature review carried out by Ms. Shraddha R S. , a student of MSc (IV sem) Organic Chemistry, as a partial fulfillment for the award of Master of Science in Organic Chemistry, Mangalore University. This work has been carried out under the guidance of Dr. Boja Poojary, Professor, Department of Chemistry, Mangalore University.

  
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## CERTIFICATE

This is to certify that the work presented in the Project Report entitled “A LITERATURE REVIEW ON THE SYNTHESIS AND APPLICATIONS OF BENZOCOUMARIN DERIVATIVES” is an authentic record of literature review carried out by Ms. Shravya R S. , a student of MSc (IV sem) Organic Chemistry, as a partial fulfillment for the award of Master of Science in Organic Chemistry, Mangalore University. This work has been carried out under the guidance of Dr .Boja Poojary, Professor, Department of Chemistry, Mangalore University.



Dr. Boja Poojary  
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Mangalore University  
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**CHAIRMAN**  
**Department of Studies in Chemistry**  
**Mangalore University**  
**MANGALAGANGOTHRI- 574 199**

## CERTIFICATE

This is to certify that the work presented in the work entitled “ANTICONVULSANT DRUG” is an authentic record of literature review carried out by Sindhuja J P, a student of M.Sc(4<sup>th</sup> sem) Organic Chemistry, as a partial fulfilment for the award of Master of Science in Organic Chemistry, Mangalore University.

This work has been carried out under the guidance of Prof. Dr. Jagadeesh Prasad D, Professor in Chemistry, Department of Chemistry, Mangalore University, Mangalagangothri.



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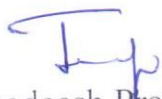


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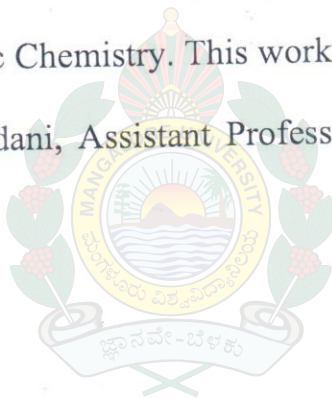



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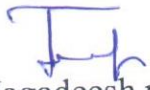
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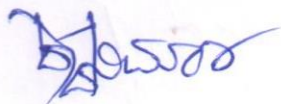
  
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This is to certify that the work presented in the dissertation entitled “**C-H Bond Functionalization of Ketene Dithioacetals**” is an authentic record of literature review carried out by **Mr. Yamanappa S Mang**, a student of MSc (IV Semester) Organic Chemistry, in partial fulfillment of the requirements for the award of the degree of Masters of Science in Organic Chemistry. This work has been carried out under the guidance of Dr. M. R. Maddani, Assistant Professor, Department of Chemistry, Mangalore University.



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