

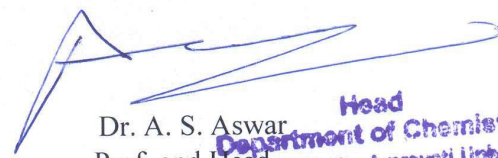
**SANT GADGE BABA AMRAVATI UNIVERSITY
DEPARTMENT OF CHEMISTRY**

CERTIFICATE

This is to certify that the work embodied in the project report entitled "Synthesis of Cr(III), Mn(II) and Fe(III) Schiff Base hydrazone complexes derived from Oxalyl dihydrazide and their biological and magnetic studies" has been carried out by **Ms. Komal D. Mishra** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance during the academic session 2019-20 for the partial fulfillment of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

Place: Amravati

Date: 24/9/2020


Dr. A. S. Aswar
Prof. and Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati

Sant Gadge Baba Amravati University, Amravati

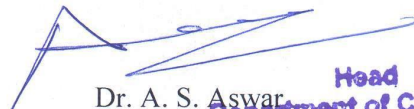
SANT GADGE BABA AMRAVATI UNIVERSITY
DEPARTMENT OF CHEMISTRY

CERTIFICATE

This is to certify that the project report entitled, "Synthesis and characterization of VO (IV), Co (II) and Ni (II) Complexes involving Schiff base derived from nicotinyldiazide and salicylaldehyde" , has been carried out by **Ms. Pragati Baban Surve** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance during the academic session 2019-20 for the partial fulfillment of degree of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati

Place: Amravati

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Sant Gadge Baba Amravati University
Amravati

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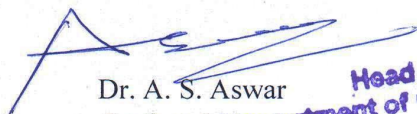
**SANT GADGE BABA AMRAVATI UNIVERSITY
DEPARTMENT OF CHEMISTRY**

CERTIFICATE

This is to certify that the project report entitled, "Synthesis and structural study of some hydrazone Schiff base complexes" , has been carried out by **Ms. Shweta S. Deshmukh** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance during the academic session 2019-20 for the partial fulfillment of degree of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

Place: Amravati

Date: 24/09/2020



Dr. A. S. Aswar

Prof. and Head

Department of Chemistry

Sant Gadge Baba Amravati University, Amravati

**Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati**


**SANT GADGE BABA AMRAVATI UNIVERSITY
DEPARTMENT OF CHEMISTRY**

CERTIFICATE

This is to certify that the project report entitled, "Synthesis and characterization of Schiff Base hydrazone Cr(III), Mn(II), Fe(III) complexes" , has been carried out by **Ms. Kalyani S. Bakale** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance during the academic session 2019-20 for the partial fulfillment of degree of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati

Place: Amravati

Date: 24/09/2020


Dr. A. S. Aswar
Prof. and Head
Department of Chemistry
Sant Gadge Baba Amravati University, Amravati

**Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati**

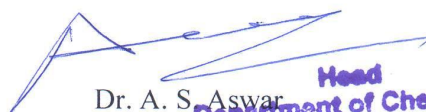
SANT GADGE BABA AMRAVATI UNIVERSITY
DEPARTMENT OF CHEMISTRY

CERTIFICATE

This is to certify that the project report entitled, "Synthesis and characterization of some transition metal hydrazone complexes and their biological and magnetic properties", has been carried out by **Ms. Vidya P. Bawanthade** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance during the academic session 2019-20 for the partial fulfillment of degree of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati

Place: Amravati

Date: 24/09/2020


Dr. A. S. Aswar
Prof. and Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati


Sant Gadge Baba Amravati University, Amravati

Sant Gadge Baba Amravati University, Amravati
Department of Chemistry

CERTIFICATE

This is to certify that the computational work embodied in the project report entitled “**Theoretical study of dihydroxyanthraquinone and its isomers**” has been carried out by **Ms. Kavita K More** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance during the academic session 2019-20 for the partial fulfilment of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

Date: 24.09.2020
Place: Amravati


Dr Rajendra Prasad
Associate Professor
SGB Amravati University
Amravati 444 602


Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati

Sant Gadge Baba Amravati University, Amravati
Department of Chemistry

CERTIFICATE

This is to certify that the computational work embodied in the project report entitled "Theoretical studies on chemo selectivity of dialkyl lithium cuprate (Gilman reagent) towards acetyl chloride over acetaldehyde and acetone" has been carried out by **Ms. Masarrat Jahan K. Sayyed** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance during the academic session 2019-20 for the partial fulfilment of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

Date: 24.09.2020
Place: Amravati

Dr Rajendra Prasad
Associate Professor
SGB Amravati University
Amravati 444 602

Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati

Stamp of the Department of Chemistry, Sant Gadge Baba Amravati University, Amravati.

Sant Gadge Baba Amravati University, Amravati
Department of Chemistry

CERTIFICATE

This is to certify that the computational work embodied in the project report entitled “**Computational study on Baylis Hilman Reaction by using density functional theory method**” has been carried out by **Ms. Priti S. Mahure** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance during the academic session 2019-20 for the partial fulfilment of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

Date: 24.09.2020
Place: Amravati

Dr Rajendra Prasad
Associate Professor
SGB Amravati University
Amravati 444 602

Head
Department of Chemistry
Sant Gadge Baba Amravati University

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SANT GADGE BABA AMRAVATI UNIVERSITY
AMRAVATI

Sant Gadge Baba Amravati University, Amravati
Department of Chemistry

CERTIFICATE

This is to certify that the computational work embodied in the project report entitled “**Rationalization of enantiomers 3,4 dihydropyrimidine-2(H)-ones (Biginelli Compound) at DFT level of theory**” has been carried out by **Ms. Divya Vijay Ake** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance during the academic session 2019-20 for the partial fulfilment of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

Date: 24.09.2020
Place: Amravati

Dr Rajendra Prasad
Associate Professor
SGB Amravati University
Amravati 444 602

Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati

Stamp: Head of Chemistry, Department of Chemistry, Sant Gadge Baba Amravati University, Amravati

Sant Gadge Baba Amravati University, Amravati
Department of Chemistry

CERTIFICATE

This is to certify that the work embodied in the project report entitled “Cinnamon verum bark extract mediated green synthesis of Co/Ag doped MnO_2 nanoparticles and their antibacterial potentiality” has been carried out by Ms. Gargee Gajanan Chaudhari at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance during the academic session 2019-20 for the partial fulfilment of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

Date: 24.09.2020
Place: Amravati

Dr Rajendra Prasad
Associate Professor
SGB Amravati University
Amravati 444 602

Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati

Sant Gadge Baba Amravati University, Amravati
Department of Chemistry

CERTIFICATE

This is to certify that the computational work embodied in the project report entitled “**Theoretical study of trimethylsilyl iodine on 1, 2 epoxy butane using density functional theory methods**” has been carried out by **Ms. Sonal Mukaruji Kurzekar** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance during the academic session 2019-20 for the partial fulfilment of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

Date: 24.09.2020
Place: Amravati

Dr Rajendra Prasad
Associate Professor
SGB Amravati University
Amravati 444 602

Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati

Stamp: Sant Gadge Baba Amravati University, Amravati

Sant Gadge Baba Amravati University, Amravati
Department of Chemistry

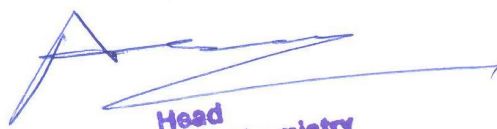
CERTIFICATE

This is to certify that the computational work embodied in the project report entitled **“Computational studies on Ziegler-Natta catalyst: role of diether as internal donors and their reaction with catalyst compound”** has been carried out by **Miss Achal Sunil Dhoke** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance during the academic session 2019-20 for the partial fulfilment of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

Date: 24.09.2020
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Dr Rajendra Prasad
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SGB Amravati University
Amravati 444 602



Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati

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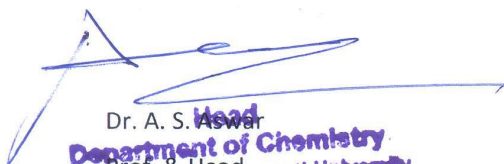


CERTIFICATE

This is to certify that the work embodied in the project report entitled "*Synthesis, Characterization and Study of Thiomorpholoids by Aqueous Phase Reaction*", has been carried out by **Ms. Amulya Chandrasekhar Kale** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under the guidance of Dr. J. M. Barabde during the academic session 2019-20 for the partial fulfilment of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

Place: Amravati

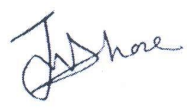
Date: 24/09/2020



Dr. A. S. Aswar
Head
Department of Chemistry
Prof. & Head
Sant Gadge Baba Amravati University
Amravati

Department of Chemistry

Sant Gadge Baba Amravati University, Amravati



Dr. J. M. Barabde
Assistant professor
Department of Chemistry

Sant Gadge Baba Amravati University Amravati

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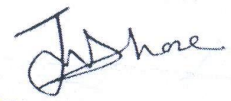
This is to certify that the work embodied in the project report entitled "*Synthesis characterization and study of some mannich bases derieved from bistriazoles*", has been carried out by **Miss Sneha Pramodrao Sable** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under the guidance of Dr. J. M. Barabde during the academic session 2019-20 for the partial fulfilment of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

Place: Amravati

Date: 24/09/2020


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Sant Gadge Baba Amravati University
Amravati
Department of Chemistry

Sant Gadge Baba Amravati University, Amravati


Dr. J. M. Barabde
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Department of Chemistry
Sant Gadge Baba Amravati University Amravati

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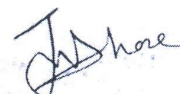
This is to certify that the work embodied in the project report entitled "*Synthesis, Characterization and Study of Some Triazole Derivatives*", has been carried out by **Ms. Priya Suresh Bhaitilak** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under the guidance of Dr. J. M. Barabde during the academic session 2019-20 for the partial fulfilment of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

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Prof. & Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati

Department of Chemistry
Sant Gadge Baba Amravati University, Amravati



Dr. J. M. Barabde
Assistant professor
Department of Chemistry
Sant Gadge Baba Amravati University Amravati

SANT GADGE BABA AMRAVATI UNIVERSITY

DEPARTMENT OF CHEMISTRY




CERTIFICATE


This is to certify that the work embodied in the project report entitled "*Synthesis and study of some Chalcones derived from Bisaldehyde*", has been carried out by **Ms. Prajakta Prakash Sangitrao** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under the guidance of Dr. J. M. Barabde during the academic session 2019-20 for the partial fulfilment of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

Place: Amravati

Date: 24/09/2020


Dr. A. S. Aswar
Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati
Prof. & Head
Department of Chemistry

Sant Gadge Baba Amravati University, Amravati


Dr. J. M. Barabde
Assistant professor
Department of Chemistry
Sant Gadge Baba Amravati University Amravati

SANT GADGE BABA AMRAVATI UNIVERSITY

DEPARTMENT OF CHEMISTRY




CERTIFICATE

This is to certify that the work embodied in the project report entitled "*Synthesis and Study of bistrizoles from sebasic acid*", has been carried out by **Ms. Nikita Sanjay Umap** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under the guidance of Dr. J. M. Barabde during the academic session 2019-20 for the partial fulfilment of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

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Date: 24/09/2020


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Prof. & Head
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Sant Gadge Baba Amravati University

Department of Chemistry
Sant Gadge Baba Amravati University, Amravati



Dr. J. M. Barabde
Assistant professor

Department of Chemistry
Sant Gadge Baba Amravati University Amravati

SANT GADGE BABA AMRAVATI UNIVERSITY

DEPARTMENT OF CHEMISTRY




CERTIFICATE


This is to certify that the work embodied in the project report entitled "*Synthesis and studies of copper complexes of bis- ketone*", has been carried out by **Ms. Pragati Suresh Umale** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under the guidance of Dr. J. M. Barabde during the academic session 2019-20 for the partial fulfilment of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

Place: Amravati

Date: 24/09/2020


Head
Department of Chemistry
Sant Gadge Baba Amravati University
Prof. & Head Amravati

Department of Chemistry
Sant Gadge Baba Amravati University, Amravati


Dr. J. M. Barabde
Assistant professor

Department of Chemistry
Sant Gadge Baba Amravati University Amravati

SANT GADGE BABA AMRAVATI UNIVERSITY

DEPARTMENT OF CHEMISTRY



CERTIFICATE

This is to certify that the work embodied in the project report entitled "*Synthesis, Characterization and Study of Bis- Dihydropyrimidone from Thiourea Using Grinding Metho*", has been carried out by **Mr. Anup Gunwantrao Dandale** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under the guidance of Dr. J. M. Barabde during the academic session 2019-20 for the partial fulfilment of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

Place: Amravati

Date: 24/09/2020


Dr. A. S. Aswar
Prof. & Head
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Department of Chemistry
Sant Gadge Baba Amravati University
Amravati

Department of Chemistry
Sant Gadge Baba Amravati University, Amravati



Dr. J. M. Barabde
Assistant professor

Department of Chemistry
Sant Gadge Baba Amravati University Amravati

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DEPARTMENT OF CHEMISTRY



CERTIFICATE

This is to certify that the work embodied in the project report entitled "*Study And Synthesis Of Bisbromoacetophenone*", has been carried out by **Mr. Tejan Dipak Gajbhiye** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under the guidance of Dr. J. M. Barabde during the academic session 2019-20 for the partial fulfilment of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

Place: Amravati

Date: 24/09/2020



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Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati

Sant Gadge Baba Amravati University, Amravati



Dr. J. M. Barabde
Assistant professor
Department of Chemistry

Sant Gadge Baba Amravati University Amravati

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DEPARTMENT OF CHEMISTRY

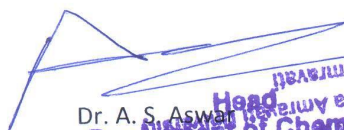


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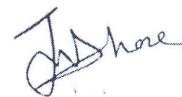
This is to certify that the work embodied in the project report entitled "*Study and Synthesis of Nicotinoyl Chloride*", has been carried out by **Mr. Mohd Altaf** at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under the guidance of Dr. J. M. Barabde during the academic session 2019-20 for the partial fulfilment of Master of Science (M.Sc.) in Chemistry of Sant Gadge Baba Amravati University, Amravati.

Place: Amravati

Date: 24/09/2020


Dr. A. S. Aswan
Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati
Department of Chemistry

Sant Gadge Baba Amravati University, Amravati



Dr. J. M. Barabde
Assistant professor

Department of Chemistry

Sant Gadge Baba Amravati University Amravati

CERTIFICATE

This is to certify that the project work on **Synthesis of isoxazoline by using iodine as catalyst** by **Miss. Amruta R. Awate** as a partial fulfillment of M.Sc. Chemistry for the academic year (2019-20) has been carried out satisfactory by her at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance.

Place: Amravati

Date: 24/09/2020



Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati

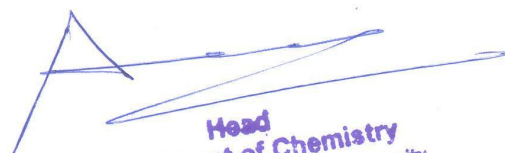
Mmkodape
Dr. M. M. Kodape
Assistant professor
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati.

CERTIFICATE

This is to certify that the project work on **Synthesis of 1-allylindoline-2,3-dione using ultra sonication** by **Mr. G.A. Ganorkar** as a partial fulfillment of M.Sc. Chemistry for the academic year (2019-20) has been carried out satisfactory by him at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance.

Place: Amravati.

Date: 24/09/2020



Head
Department of Chemistry
Sant Gadge Baba Amravati University

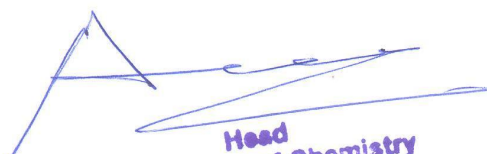
Mmkodape
Dr. M. M. Kodape
Assistant professor
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati.

CERTIFICATE

This is to certify that the project work on **Photocatalytic Degradation of Organic Dyes under UV Irradiation** by **Prutha M. Sharma** as a partial fulfilment of M.Sc. Chemistry for the academic year (2019-20) has been carried out satisfactory by her at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance.

Place: Amravati

Date: 24/09/2020



Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati

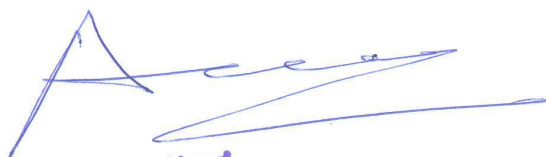
Mmkodape
Dr. M. M. Kodape
Assistant professor
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati.

CERTIFICATE

This is to certify that the project work on **Photodegradation of alizarin red under UV irradiation** by **Puja Rameshwar Padghan** as a partial fulfillment of M.Sc. Chemistry for the academic year (2019-20) has been carried out satisfactory by her at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance.

Place: Amravati

Date: 24/09/2020



Head
Department of Chemistry
Sant Gadge Baba Amravati University

Mmkodape
Dr. M. M. Kodape
Assistant professor
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati.

CERTIFICATE

This is to certify that the project work on **Photocatalytic degradation of Methyl red dye under UV irradiation** by **Rajshree I. Nikode** as a partial fulfillment of M.Sc. Chemistry for the academic year (2019-20) has been carried out satisfactory by her at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance.

Place: Amravati

Date: 24/09/2020



Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati

Mmkodape

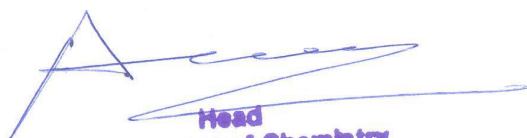
Dr. M. M. Kodape
Assistant professor
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati.

CERTIFICATE

This is to certify that the project work on **Photocatalytic degradation of methylene blue under UV using ZnO as catalyst** by **Rashmi Bharat Dhurwe** as a partial fulfillment of M.Sc. Chemistry for the academic year (2019-20) has been carried out satisfactory by her at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance.

Place: Amravati

Date: 24/9/2020


Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati


Mmkodape
Dr. M. M. Kodape
Assistant professor
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati.

CERTIFICATE

This is to certify that the project work on "Synthesis of Nitrostyrene" by Miss. **Rashmi K. Bhadoriya** as a partial fulfillment of M.Sc. Chemistry for the academic year (2019-20) has been carried out satisfactory by her at Department of Chemistry, **Sant. Gadge Baba Amravati University**, Amravati under my guidance.

Place: Amravati

Date: 24-09-2020



Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati


Mmkodape
Dr. M. M. Kodape
Assistant professor
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati.

CERTIFICATE

This is to certify that the project work on - **Synthesis of 1,2,3,4-Tetrahydrocarbazole in light** by **Simran V. Pusatkar** as a partial fulfillment of M.Sc. Chemistry for the academic year (2019-20) has been carried out satisfactory by her at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance.

Place: Amravati

Date: 24/09/2020



Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati

Mmkodape
Dr. M. M. Kodape
Assistant professor
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati.

CERTIFICATE

This is to certify that the project work on “**Biosynthesis of silver nanoparticles from leaf extract of *Euphorbia neriifolia***” by Miss. Nikisha Nilkanth Wanjari as a partial fulfillment of M.Sc. Chemistry for the academic year (2019-20) has been carried out satisfactory by her at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati under my guidance.

Place: Amravati

Date: 24/09/2020



Head
Department of Chemistry
Sant Gadge Baba Amravati University
Amravati

Mmkodape
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Department of Chemistry
Sant Gadge Baba Amravati University
Amravati.