Project report

On

## "Synthesis and Characterization of Some Pyrazole Containing Chalcones"

M.Sc. Project carried out as a part of curriculum for degree of "Master of Science" in Organic Chemistry at S.S.G.M. College, Kopargaon

Submitted By

### Mr. JANGAM HARSHAL KAILAS

M.Sc. II (Organic Chemistry)

2017-2018

Guided By

Prof. Dr. Randhavane P.V.

Submitted To



P. G. and Research,

Department of Chemistry

S.S.G.M. College, Kopargaon, [423601]

Dist.-Ahmednagar [MS], India.

8.8.3.M.College Ropargaon Project report

On

"Synthesis and Characterization of Some Pyrazole Containing Chalcones"

M.Sc. Project carried out as part of curriculum for degree of "Master of Science" in Organic Chemistry at S.S.G.M. College, Kopargaon

Submitted By

### Mr. JANGAM HARSHAL KAILAS

M.Sc. II (Organic Chemistry)

2017-2018

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Prof. Dr. Randbayane P.V.

Submitted To



P.G. and Research.

Department of Chemistry

S.S.G.M. College, Kopargaon, [423601]

Dist.-Ahmednagar [MS], India.

Rayat Slokshim Sanaha s

SHRESADGURU GANGAGEER MAHARAI SCHENCE, GAUTAM ARTS

AND SANJIVANI COMMERCE COLLEGE, KUPARGAUN, DIST-AHMEDNAGAR

# CERTIFICATE



This is to certify that the work incorporated in this project report entitled "Synthesis and Characterization of Some Pyrazole Containing Chalcones" being submitted to the Head, Department of Chemistry S.S.G.M. College Kopargaon and Savitribai Phule Pune University, Pune by Mr. JANGAM HARSHAL, KAHAS was carried out by him under my supervision at S.S.G.M. College Kopargaon. Dist-Ahmednagar. Such material obtained from other source has duly acknowledged in this project report.

Date: 1/3/2018

br, Randhavane P.V.

Project Guide,

Department of Chemistry,

S.S.G.M. College Kopargaon

Dirw

MC Principal S.A.G.M.College Kopargaon A 12 - 24/11,

Dr. Nikumbh A.B.

Head of P.G and Research

Department of Chemistry,

S.S.G.M. College Kopargaon

Principal S.S.G.M.College Koppregaon A

Project report on

# "SYNTHESIS AND CHARACTERIZATION OF SOME IMPORTANT PYRAZOLINE DERIVATIVES"

M.Sc. Project carried out as part of curriculum for degree of "Master of Science" in Analytical Chemistry

Submitted by

#### Mr. SABANE PRASAD BALASAREB

M.Sc. II (Analytical Chemistry) (2017-2018)

Under the Gusdance of

Dr. CHAVHAN N.M.

Submitted to



P.G. and Research

Department of Chemistry,

S. S. G. M. College, Kopargaon [423601]

Dist.- Almednagar [MS] India.

Principal S.S.G.M.Collogo Konargaon

## Certificate





This is to certify that the work incorporated in this project report entitled "SYNTHESIS AND CHARACTERIZATION OF SOME IMPORTANT PYRAZOLINE DERIVATIVES" being submitted to the Head, Department of Chemistry, S. S. G. M. College, Kopargaon and Savitribai Phule Pune University, Pune by Mr. SABANE PRASAD BALASAHEB, was carried out by him under my supervision at S.S.G.M. College, Kopargaon Dist- A nagar. Such material obtained from other source has duly acknowledged in this project report.

Date: / /2018.

Dr. N.M. CHAVHAN

4.2018

Project Guide.

Department of Chemistry, S. S. G. M. College,

5. 5. C. M. Conege

Kopargaon.

PR A P. Nilumb

Dr. A. B. Nikumbh

Head, P. G. and Research,

Department of Chemistry,

S. S. G. M. College,

Magazin,

UC Principal

S.S.G.M.College Kopargaon

> Principal S.S.G.M.College

A

Project report

On

# "SYNTHESIS AND CHARACTERISATION OF FLUORINATED BENZOXAZOLES"

M.Sc. Project carried out as part of curriculum for degree of "Master of Science" in Analytical Chemistry at S.S.G.M. College, Kopargaon

Submitted By

### Miss. GHODAKE SHASHWATI DILIP

M.Sc. II (Analytical Chemistry)

2017-2018

Guided By

Prof. Dr. Jadhay R.K.

Submitted To



P.G. and Research,

Department of Chemistry

S.S.G.M. College, Kopargaon

Dist.-Ahmednagar, [423601] [MS], India.



Rayat Shikshan Sanasta -

## SHRI SADGURU GANGAGEERI MAHARAJ SCIENCE, GAUTAM ARTS

### AND SANJIVANI COMMERCE COLLEGE, KOPARGAON, DIST-AHMEDNAGAR

CERTIFICATI





This is to certify that the work incorporated in this project report entitled "SYNTHESIS AND CHARACTERISATION OF FLUORINATED BENZOXAZOLES" being submitted to the Head, Department of Chemistry S.S.G.M. College Kopargaon and Savitribat Phule Pune University, Pune by Miss. GHODAKE SHASHWATI DILIP was carried out by her under my supervision at S.S.G.M. College Kopargaon. Dist. Ahmednagar. The reference taken from other source has duly acknowledged in this project report.

Date: 2] /4 /2018

Dr. Jadhav R. K.

Project Guide.

Department of Chemistry,

S.S.G.M. College Kopargaon

Dr. Nikumbh A. B.

Head, P.G. and Research

Department of Chemistry,

S.S.G.M. College Kopargaon

IfO Principal S.S.G.M.College Kopargaon

Principal S.S.G.M.College

Kobargao

"Effication through Self-Help Is Our Mato"



## PROJECT REPORT

ON

"To Determine the Magnetic Susceptibility by Gouy's Method"

#### SUBMITTED TO

Savitribai Phule Pune University, Punc.

For the Parial Inliliment of (Subject - Physica Barbelov of Science

#### SUBMITTED BY

Miss, Jadhav Amruta Ramesh

UNDER THE GUIDANCE OF

Prof. Mr. B. N. Chaudhari

Through

Rayat Shikshan Sanstha, Satara's, S. S. G. M. College, Kopargaon 2017-18



Roll No: - 8016

Exam Seat No: - 33142

"Education through Self-Beln Is Our Mone"



### Shri sadguru gangageer maharaj Science gautam arts & Sanjivani Commerce college, kopargaon

## Certificate

This is to certify that Miss Jadhav Amruta Ramesh of Bachelor of Science (Physics) has satisfactory completed her project work as per rule Laid down by the Savitribai Phule Pune University entitled as "To Determine the Magnetic Susceptibility by Gouy's Method" during Academic year 2017-2018.

Prof. B. S. Chaudhari

Project Guide

Re the 1967 -

External Examiner

Prof. S. T. Shete

Head of Department

Principal S.S.G.M.College Kopargaon

### Rayat Shikshan Sanstha's

## Shri Sadguru Gangageer Maharaj Science, Gautam Arts and Sanjivani Commerce College, Kopargaon, Dist: - Ahmednagar- 423601

## Department of Physics

## Internal Unit Test –I (2021-22)

## Time Table M.Sc. I-II (Sem-II and IV)

Sr. No.	Date and Time	Class	Subject
1	04/05/2022 11:00am to 12:30 pm	M.Sc. I	Electrodynamics
		M.Sc. II	Nuclear Physics
2	. 05/05/2022 11:00am to 12:30 pm	M.Sc. I	Atoms and molecules
		M.Sc. II	Experimental Tech. II
3	06/05/2022 11:00am to 12:30 pm	M.Sc. I	Quantum Mechanics
		M.Sc. II	Energy Studies II
4	07/05/2022 11:00am to 12:30 pm	M.Sc. I	Physics of Semiconductor Devices
		M.Sc. II	Physics of Thin Film



Head
Department of Physics
S.S.G.M.College, Kopargaon

Principal S.S.G.M.College Kopargaon



#### A



#### PROJECT REPORT

ON

"DESIGN AND SYNTHESIS OF NOVEL 1,3,4-OXIDIAZOLE AND PYRAZOLE ANALOGUES"



#### Submitted by:

Mr. KADAM MAYUR ARUN

M.Sc. (Organic Chemistry)

Department Of Chemistry

S, S, G, M, College, Kopargaan.

Submitted to:

Department Of Chemistry

S, S, G, M, College, Kopargaon

Under the guidance of:

Dr. J. M. GAJBHIYE

(Scientist)

Division of Organic Chemistry

CSIR-NATIONAL CHEMICAL LABORATORY

(2018-2019)

Principal S.S.G.M. College

Kopargaon

## सीएसआईआर - राष्ट्रीय रासायनिक प्रयोगशाला



ार्वज्ञानक क्या जीव्यक्ति अस्तान वीत्यः । स्त्र क्षेत्रके आया मार्च, पूर्ण का 1 000 साल



### CSIR - NATIONAL CHEMICAL LABORATORY

(Council of Scientific & Industrial Househild)

Dr. Homi Bhabha Road, Pune -411 008, India

#### CERTIFICATE

This is to certify that the work incorporated in this project entitled "DESIGN AND SYNTHESIS OF NOVEL 1, 3, 4-OXIDIAZOLE AND PYRAZOLE ANALOGUES" being submitted to Department of Chemistry, S.S.G.M. College, Kopargaon, Affiliated to Savitribai Phule Pune University, Pune by Mr. Kadam Mayur Arun was carried out under my supervision at the National Chemical Laboratory from 15th May-31st. December 2018.

Dr. J. M. Gajbhiye

वैद्यानिक / Scientist कार्यनिक ज्ञासन फरान Drison of Organic Chemistry , सीएमाआईआर-अप्ट्रीय ग्रमामिक व्योगमाना GSIR - NATIONAL CHEMICAL LABORATORY पूर्व / Pune - 411008

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Principal S.S.G.M.College Kopargaon



#### A



#### PROJECT REPORT

"SYNTHESIS AND CHARACTERIZATION OF PIPERAZINE CONTAINING 1, 3, 4-OXIDIAZOLES AND ITS DERIVATIVES"



#### Submitted by:

Mr. Krushikesh Dattatray Dhoke.

M.Sc. (Organic Chemistry)

Department of Chemistry

S.S.G.M. College, Kopargaon.

Submitted to:

Department Of Chemistry

S.S.G.M. College, Kopargaon.

Under the guidance of:

Dr. J. M. Gajbhiye.

(Scientist)

Division of Organic Chemistry

CSIR-NATIONAL CHEMICAL LABORATORY

(2018-19)



## सीएसआईआर - राष्ट्रीय रासायनिक प्रयोगशाला



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### CSIR - NATIONAL CHEMICAL LABORATORY

(Council of Scientific & Industrial Research) Dr. Homi Bhabha Road, Pone - 411 008, India

#### CERTIFICATE

This is to certify that the work incorporated in this project entitled "SYNTHESIS CONTAINING OFPIPERAZINE CHARACTERIZATION ANDOXIDIAZOLES AND ITS DERIVATIVES" being submitted to Department of Chemistry, S.S.G.M. College, Kopargaon, affiliated to Savitribai Phule Pune University, Pune by .Mr. Dhoke Krushikesh Dattatray was carried out under my supervision at the National Chemical Laboratory from 15th May-31st- December 2018.

Dr. J. M. Gajbhiye.

figifius / Scientist कार्वनिक रसायन प्रभाग Division of Organic Chemistry -सीएसआईआर-सन्दीय रामायनिक प्रयोगशाना CSIR - NATIONAL CHEMICAL LABORATORY qit / Pune - 411005

> S.S.G.M.College Kopargaon

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A

Project report

On

## "Synthesis and Characterization of Some Novel Pyrazoline Derivatives"

M.Sc. Project carried out as part of curriculum for degree of "Master of Science"

in

Organic Chemistry

af

S. S. G. M. College, Kopargaon.

Submitted By

Mr. Jadhav Sanjay Raju

M.Sc. II (Organic Chemistry)

2018-2019

Guided By

Dr. Chavhan N. M.

Submitted To



P.G. and Research,
Department of Chemistry,
S.S.G.M. College, Kopargaon [423601]
Dist-Ahmedoagar[MS] India

Principal S.S.G.M.College Kopargaor Rayat Shikshan Sanstha's

SHRI SADGURU GANGAGEER MAHARAT SCHNICE, GARLAM ARTS

AND SANIVANI COMMERCE COLLEGE, EOPARGAGIS, DET-AHMEDINAGAR

## CERTIFICATE



This is to certify that the work incorporated in this project report entitled "SYNTHESIS AND CHARACTERIZATION OF SOME NOVEL PYRAZOLINE DERIVATIVES" being submitted to the Head. Department of Chemistry, S. S. G. M. College, Kopargaon and Savitribai Phule Pune university, Pune by Mr. Jadhav Sanjay Raju was carried out by him under my supervision at S. S. G. M. College, Kopargaon. Dist-Ahmednagar. Material obtained from other source has duly acknowledged in this project report.

Date: / /2019

Dr. N. M. Chayban

Project Guide,
Department of Chemistry,
S. S. G. M. College, Kopargaon

COULSON DE A R. NII

Dr. A. B. Nikumbh

Professor & Head, P. G. and Research Department of Chemistry, S. S. G. M. College, Kopargaon

> Principal S.S.G.M.College Kopargaon

Λ

Project report

On

"Synthesis and Characterization of Some Fluorinated Triazoles"

M.Sc. Project carried out as a part of curriculum for degree of "Master of Science" in Organic Chemistry at S.S.G.M. College, Kopargaon

Submitted By

Mr. SHINDE GANESH DNYANESHWAR

M.Sc. II (Organic Chemistry)

2018-2019

Guided By

Dr. Mrs. Randhavane P. V.

Submitted To





Department of Chemistry

S.S.G.M. College, Kopargaon, [423601] Dist.-Ahmednagar [MS], India.



Rayat Shikshan Sans Days

SURI SADGURU GANGAGEERI MAHARAT - CIENCE, GAUTAM ARTS
AND SANJIVANI COMMERCE COLLEGE, ROPARGAGN, DIST-AHMEDNAGAR

## CERTIFICATE



This is to certify that the work incorporated in this project report entitled "Synthesis and Characterization of Some Fluorinated

Triazoles" being submitted to the Head, Department of Chemistry S.S.G.M.

College Kopargaon and Savitribai Phule Pune University, Pune by Mr. SHINDE

GANESH DNYANESHWAR was carried out by him under my supervision at

S.S.G.M. College Kopargaon. Dist- Ahmednagar. Information obtained from other source has duly acknowoledged in this project report.

Date: 04/03/2019

Dr. Randhavane P.V.

Project Guide,

Department of Chemistry,

S.S.G.M. College Kopargaon

2

Dr. Nikumbh A.B.

I/C Principal

S.S.G.M. College Kopargaon

Principal 8.S.G.M.College Kopargaon

"THE MOISTURE TESTER"



Rayat Shikshan Sanstha's

Submitted in a partial fulfilment for the award of the degree BACHELOR OF SCIENCE IN PHYSICS

Savitribai Phule pune university.pnne

Submitted by

MISS.AUTADE ACHAL MACHHINDRA

Under Gurdance

PROF.J.E.YEWALE

DEPARTMENT OF PHYSICS



## S.S.G.M. COLLEGE, KOPARGAON YEAR-2018-19

**ROLL NO:8002** 

EXAM NUMBER: 33877

"Education through Self Help Is Our Moto" KARMVEER

Rayat Shikshan Sanstha's

SHRI SADGURU GANGAGIRI MAHARAJSCIENCE, GAUTAM ARTS AND SANJIVANI COMMERCE COLLEGE KOPARGAON

### DEPARTMENT OF PHYSICS

#### CERTIFICATE

This is certify that Miss. Author Schal Machhindra of B.SC.Physics Has Successfully Completed The Project Work On "THE MOISTURE TESTER" As Prescribed By The Savitribai Phule Pune University In The Academic Year 2018-2019

113119 Guide,

Prof.J.E.Yewale

Examiner

Phy Dept

Head Department of physics

Prof.S.T.SHETE

A

### PROJECT REPORT

ON

## "TO STUDY THE POLARIZATION OF LIGHT &VERIFY MALUS LAW"



Submitted in a partial fullfillment for the award of degree

Master of Science

fn

Physics.

Savitribai Phule Pune University, Pune

Submitted By

Mr. JADHAV GAHININATH RAMAN

M.Sc.II (PHYSICS)

Under Guidance of

Prof. S. S. THORAT

DEPARTMENT OF PHYSICS,

S.S.G.M.College, Kopargaon.

Year 2018 -2019

S.S.G.M. COLLEGE, KOPARGAON

Page 1

S.G.M.College

Roll No. :-8532

Exam Seat No. :- 206259

"Education through self-help is our Motto" - KARMVEER

Rayat Shikshan Sanstha's.

## SHRI SADGURU GANGAGEER MAHARAJ. SCIENCE,

## GAUTAM ARTS AND SANJIVANI COMMERCE COLLEGE, KOPARGAON.



Savitribai Phule Pune University, Pune

DEPARTMENT OF PHYSICS

### CERTIFICATE

This is certify that Mr. JADHAV GAHININATH RAMAN of M.Sc.II (PHYSICS) has successfully completed his project work on "TO STUDY THE POLARIZATION OF LIGHT AND VERIFY MALUS LAW" as prescribed by the Savitribai Phule Pune University in the Academic year 2018-2019,

Project Guide

PROF. S. S. THORAT

S.S.G.M. COLLEGE, KOPARGAON

Examiner

M. COU

OPARIO

Phy.

Head of Department

Dept.of Phys'cs

S.S.G.M.College, Kapacao

A

Project report

On

### "Characterization of Some Representative Synthesized Pyrazoline Derivatives"

M.Sc. Project carried out as part of curriculum for degree of "Master of Science"

ir

Organic Chemistry

at

S. S. G. M. College, Kopargaon.

Submitted By

Mr. Jadhay Vivek Dharmaraj

M.Sc. II (Organic Chemistry)

2019-2020

Guided By

Dr.Chavhna N. M.

Submitted To



P.G. and Research, Department of Chemistry, S.S.G.M. College, Kopargaon [423601] Dist- Ahmednagar. [MS], India

> Principal 8.8.G.M.College Kopargaon

Rayat Shikshan Sansiba s

SHRESADGURU GANGAGEER MAHARALSCH NCF, GAULAM ARTS

AND SANJIVANI COMMERCE COLLEGE, KOPARLAONI DIST-AHMEDNAGAR.

## CERTIFICATE



This is to certify that the work incorporated in this project report entitled "CHARACTERIZATION OF SOME REPRESENTATIVE SYNTHESIZED PYRAZOLINE DERIVATIVES" being submitted to the Head, Department of Chemistry. S. S. G. M. College, Kopargaon and Savitribai Phule Pune university, Pune by , Mr. Jadhav Vivek Dharmaraj was carried out by him under my supervision at S. S. G. M. College, Kopargaon. Dist- Ahmednagar. Material obtained from other source has duly acknowledged in this project report.

Date: / /2020

Dr. N. M. Chavhan

E. S. C. M. Science, Gautsm Arte & Sanjivani Commerce Cellege, Kepargass

Project Guide, Department of Chemistry,

S. S. G. M. College, Kopargaon

Prof. A. K. Deshmukh

Head, P. G. and Research Department of Chemistry

S. S. G. M. College, Kopargaon

Randhavque P.V-

27/4/2024 D. N. Laksas

Kopargaon

Project report

On

### "SYNTHESIS OF 2-(3.5-BISCERIFLE OROMETHYL)PHENOXY F N-BENZYLIDINE ACETOHYDRAZIDE"

M.Sc. Project carried out as a part of curriculum for degree of "Master of Science" in Organic Chemistry at S.S.G.M. College, Kopargaon

Submitted By

Miss. TUPKARI DHANASHRI RAVINDRA

M.Sc. II (Organic Chemistry)

2019-2020

Guided By

Dr. Mrs. Randhavane P.V.

Submitted To



P.G. and Research,

Department of Chemistry

S.S.G.M. College, Kopargaon, [423601]

Dist.-Ahmednagar [MS], India.

s.s.G.M.dolleg

SHRI SADGURU GANGAGEER MAJI ARAJ SCIENCE, GAUTAM ARTS

AND SANJIVANI COMMERCE COLLEGE, KOPARGAON, DIST-AHMEDNAGAR

# CERTIFICATE



This to certify that the work incorporated in this project report entitled "SYNTHESIS 1-(1,5-Bis(TRIFLE)OROME, THE LEPTIENOXY)-N-BENZYLHDINE OF

ACETOHYDRAZIDE" being submitted to the Head, Department of Chemistry S.S.G.M. College Kopargaon and Savitribai Phule Pune University, Pune by Miss. TUPKARI DHANASHRI RAVINDRA was carried out by her under my supervision at S.S.G.M. College Kopargaon. Dist-Ahmednagav. Information obtained from other source has duly acknowoledged in this project report.

Date: 25/9/2020

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Dr. Randhavane P. V.

Project Guide,

Department of Chemistry,

S.S.G.M. College Kopargaon

Distanchador

Dr. Thopate S. R.

Principal

S.S.G.M. College Kopargaon

Randhavane

Mr. D. H. Geikwad

Scanned by CamScanned Ropargaon

Project report

On

#### "ULTRASOUND AND MICROWAVE ASSISTED SYNTHESIS OF SCHIFF'S BASES"

M.Sc. Project carried out as a part of curriculum for degree of "Master of Science" in Organic Chemistry at S.S.G.M. College, Kopargaon.

Submitted By

Mr. PINGALE SHUBHAM ANAND

M.Sc. II (Organic Chemistry)

2019-2020

Guided By

Dr. Mrs. Randhayane P.V.

Submitted To



Department of Chemistry

S.S.G.M. College, Kopargaon, [423601] Dist.-Ahmednagar [MS], India. Rayat Shikshan Sanstha's

SHRI SADGURU GANGAGEER MAHARAJ SCIENCE, GAUTAM ARTS AND SANJIVANI COMMERCE COLLEGE, KOPARGAON, DIST-AHMEDNAGAR.

# CERTIFICATE



This to certify that the work incorporated in this project report entitled "ULTRASOUND AND MICROWAVE ASSISTED SYNTHESIS OF SCHIFF'S BASES being submitted to the Head, Department of Chemistry S.S.G.M. College Kopargaon and Savitribai Phule Pune University, Pune by Mr. PINGALE SHUBHAM ANAND was carried out by him under my supervision at S.S.G.M. College Kopargaon. Dist-Ahmednagar. Information obtained from other sources has duly acknowledged in this project report.

Date: 23/9/2020

Dr. Mrs. Randhavane P. V.

Project Guide,

Department of Chemistry,

S.S.G.M. College, Kopargaon

in charles

Dr. Thopate S.R.

Principal

S.S.G.M. College, Kopargaon

Randhavane P.V.

#### A Project Report On

"Synthesis and Characterization of Bismuth Oxide (BiVO4)"

Submitted To



Rayat Shikshan Sanstha's

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### S.S.G.M. COLLEGE KOPARGAON

Submitted By

Mr. Bhagure Sachin Sopan

M.Sc. (Physics)

Academic Year: 2019-20

Under The Guidance Of

Prof. S.P. Paradhi

RAYAT SHIKSHAN S. S. G. M. COLLEGE KOPARGAON

Principal 8.8.G.M.Colleg Kopargaon

Roll No: 8535

Exam Seat No:

#### Rayat Shikshan Sanstha's S. S. G. M. COLLEGE KOPARGAON DEPARTMENT OF PHYSICS

#### CERTIFICATE

This is to certify that Mr. Bhagure Sachin Sopan of M.Sc. (Physics) Semester IV has satisfactorily completed the project entitled "Synthesis and Characterization of Bismuth Oxide (BiVO<sub>4</sub>)" under the guidance of Prof. S.P. Paradhi. He has satisfactorily completed the project work as per syllabus laid down by the Savitribai Phule Pune University during the Academic year 2019-2020.

Prof. S.P. Paradhi

(Project Guide)

Prof. V. B. Gaikwad

(HOD of Physics)

Internal Examiner

External Examiner

Date: April 2020

Place: Kopargaon

RAYAT SHIKSHAN S. S. G. M. COLLEGE KOPARGAON

2

Principal S.S.G.M.College Kopargaon

#### Project Report On

#### "APPLICAION OF MICROSOFT EXCEL"



Submitted in a partial fulfillment of the requirement for the

Bachelor of Science

In

Physics.

Savitribai Phule Pure Certainty

Submitted By

MISS. SONAWANE PRIYANKA BALASAHEB

T.Y.B.Sc (Physics)

S. S. G. M. College, Kopargaon

Department of Physics,

2019-2020



ROLL NO: 8020

10

3

0

B

EXAM SEAT NO:

"Education through self-help is our motto"-Karmaveer.

Rayat Shiksban Sanstha's,

Shri SadguruGangageer Maharaj Science,

Gautam Arts &Sanjivani Commerce College,

Kopargaon.Dist:-Ahmednagar



Savitribai Phute Pune

University

## Certificate

This is to certify that submitted Miss. Sonawane Priyanka Balasaheb of class T.Y.B.Sc. (Physics), has satisfactory completed her project work as per rule laid down by the Savitribai Phule Pune University entitled as "Application of Microsoft Excel" during academic year 2019-2020.

Project Guide

Prof. V. B. Gaikawad

Gaikwad

Examiner (

miner 😭 📶

Head of department

Prof. V.B. Gaixwed

Principal 8.S.G.M.College Kepargaon

Project report

Chr

"Synthesis of Silver nanoparticles using chemical reduction method from selective plant extract"

M.Sc. Project carried out as part of curriculum for degree of "Master of Science"

in

Organic Chemistry

At

S. S. G. M. College, Kopargaon.

Submitted By

MISS, DIGHE SHUBHANGI ARJUN

M.Sc. II (Organic Chemistry)

2021-2022

Guided By

Prof. (Dr.) Chayban N. M.

Submitted To



P.G. and Research, Department of Chemistry, S.S.G.M. College, Kopargaon [423601] Dist-Ahmednagar [MS] India

8.8.G.M.College

#### Rayat Shikshan Sanstha's

SHRESADGURU GANGAGEER MAHARAJ SCIENCE, GAUTAM ARTS-AND SANJIVANI COMMERCE COLLEGE, 12 HARGAON, DIST-ARMEDNAGAR

## CERTIFICATE



"Synthesis of Silver nanoparticles using chemical reduction method from selective plant extract" being submitted to the Head, Department of Chemistry, S. S. G. M. College, Kopargaon and Savitribai Phule Pune university, Pune by Miss, DIGHE SHUBHANGI ARJUN was carried out by her under my supervision at S. S. G. M. College, Kopargaon. Dist- Ahmednagar. Material obtained from other source has duly acknowledged in this project report.

Date: 18/ 57 2022

Dr. N. M. Chavhan

Project Guide,

Department of Chemistry,

S. S. G. M. College, Kopargaon

Mr. A. K. Deshmukh

Head, P. G. and Research

Department of Chemistry,

S. S. G. M. College, Kopargaon

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On

" Synthesis and Spectral analysis of some new pyrazole carboxylic acid derivatives"

M.Sc. Project carried out as part of curriculum for degree of "Master of Science"

in

Organic Chemistry

at

S. S. G. M. College, Kopargaon.

Submitted By

MISS. DHAGE YOGESHWARI RAJENDRA

M.Sc. II (Organic Chemistry)

2021-2022

Guided By

Prof. (Dr.) Chavhan N. M.

Submitted To



P.G. and Research,
Department of Chemistry,
S.S.G.M. College, Kopargaon [423601]
Dist- Ahmednagar [MS] India



Rayat Shikshan Sanstha's

SHRÍ SADGURU GANGAGEER MAHARAJ SCIENCE, GALTAM ARTS

AND SANJIVANI COMMERCE COLLEGE, KOPARGAON, DIST-AHMEDNAGAR

## CERTIFICATE



This is to certify that the work incorporated in this project report entitled "Synthesis and spectral analysis of some new pyrazole carboxylic acid derivatives" being submitted to the Head, Department of Chemistry, S. S. G. M. College, Kopargaon and Savitribai Phule Pune university, Pune by Miss. Dhage Yogeshwari Rajendra was carried out by her under my supervision at S. S. G. M. College, Kopargaon. Dist-Ahmednagar. Material obtained from other source has duly acknowledged in this project report.

Date: 18/05 / 2022

Dr. N. M. Chavhan

Project Guide,

Department of Chemistry,

S. S. G. M. College, Kopargaon

Mr. A. K. Deshmukh

Head, P. G. and Research

Department of Chemistry,

S. S. G. M. College, Kopargaon

(My)

Principali 8.8.G.M.College

### Project Report

On

# "A PRACTICAL AND GREEN PROTOCOL FOR SYNTHESIS OF 2, 3-DIHYDROQUINAZOLIN-4(1H)-ONES USING IONIC LIQUID VIA ANTHRANILAMIDE"

M.Sc. Project carried out as a part of curriculum for Degree of "Master of Science" in Organic Chemistry at S.S.G.M. College, Kopargaon

#### Submitted By

MISS, PATIL MAYURI ANANDA

M.Sc. II (Organic Chemistry)

Guided By

Dr. D. M. Suryawanshi
(M.S., Ph.B. SET)

Submitted To



P.G. & Research Department of Chemistry,

S.S.G.M. College, Kopargaon,

Dist.-Ahmednagar [MS], India-423601

(Academic Year: 2021-2022)

Principal 8.8.G.M.College Kopargaon

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Rayat Shikshan Sanstha's

SHRI SADGURU GANGAGEER MAHARAJ SCIENCE, GAUTAM ARTS AND SANJIVANI COMMERCE COLLEGE, KOPARGAON, DIST-AHMEDNAGAR

# CERTIFICATE



This to certify that the work incorporated in this project report entitled "A PRACTICAL AND GREEN PROTOCOL FOR SYNTHESIS OF 2,3-DIHYDROQUINAZOLIN-4(117)-ONES 1850G 10MC LIQUID VIA ANTHRANGLAMIDE being submitted to the Head, Department of Chemistry S.S.G.M. College Kopargaon affiliated to Savitribai Phule Pune University, Pune by Miss, PATIL MAYURI ANANDA was carried out by his under my supervision, Information obtained from other source has duly acknowledged in this project report.

Date: 2 /5/2022

Dr. D. M. Suryawanshi
Project Guide,
Department of Chemistry

Prof. A. K. Deshmukh Head & Vice-Principal Department of Chemistry

Examined

Examined -

Principal S.S.G.M.College Kopargaon A

Project Report

On

"A PRACTICAL AND GREEN PROTOCOL FOR SYNTHESIS OF 2, 3-DIHYDROQUINAZOLIN-4(1H)-ONES USING IONIC LIQUID VIA ISATOIC ANHYDRIDE"

M.Sc. Project carried out as a part of curriculum for Degree of "Master of Science" in Organic Chemistry at S.S.G.M. College, Kopargaon

Submitted By

Mr. JORE SAGAR BABASAHEB

M.Se. II (Organic Chemistry)

Guided By

Dr. D. M. Suryawanshi (M.S., Pa.D. NEX)

Submitted To



P.G. & Research Department of Chemistry,

S.S.G.M. College, Kopargaon,

Dist.-Ahmednagar [MS], India-423601

(Academic Year: 2021-2022)

Principal S.S.G.M.College Kopargaon Rayat Shikshan Sanstha's

SHRI SABGURE GANGAGEER MAHARAI SCIENCE, GAUTAM ARTS

AND SANJIVANI COMMERCE COLLEGE, KGFARGAON, DIST-AHMEDNAGAR

# CERTIFICATE



This to certify that the work incorporated in this project report entitled "A PRACTICAL AND GREEN PROTOCOL FOR SYNTHESIS OF 2.3-DIHYDROQUENAZOLIN-J(III)-ONES USING IONIC LIQUID VIA ISATOIC ANHYDRIDE" being submitted to the Head, Department of Chemistry S.S.G.M. College Kopargaon affiliated to Savitribai Phule Pone University, Pune by Mr. JORE SAGAR BABASAHEB was carried out by his under my supervision. Information obtained from other source has duly acknowledged in this project report.

Date: 23/ 0/2022

Dr. D. M. Suryawanshi Project Guide, Department of Chemistry Prof. A. K. Deshmukh Head & Vice-Principal Department of Chemistry

Examined Examined

M/

Principal 8.8.G.M.College

### Project report

on

## "SYNTHESIS AND STUDY OF SCHIFF'S BASE LIGAND"

M.Sc. Project carried out as a part of curriculum for degree of "Master of Science" in Analytical Chemistry at S.S.G.M. College, Kopargaon.

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## Submitted By

Miss, Varsha Gorakshanath Shinde,

M.Sc. II (Analytical Chemistry)

2021-2022

Golded by Prof. KASHID P. D.

Submitted To



P.G. and Research,

Department of Chemistry

S.S.G.M. College, Kopargaon, [423601]

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Project report

On

# "SYNTHESIS AND STUDY OF SCHIFF'SBASE LIGAND"

M.Sc. Project carried out as part of curriculum for degree of "Master of Science" in Analytical Chemistry at S.S.G.M. College, Kopargaon

Submitted By

Miss, Varsha Gorakshanath Shinde

M.Se. II (Analytical Chemistry)

2021-2022

Guided By

Prof. KASHID P. D. Submitted to



P.G. and Research, Department of Chemistry S.S.G.M. College, Kopargaon, [423601] Dist.-Ahmednagar [MS], India.

> Principal 8.8.G.M. Gollege Scanned by CamScanner

Rayat Shikshan Sanstha's

STRE SAUGURE GANGAGEEREMETED ALECTESCE, GAUTAM ARTS

AND SANCTUANT COMMERCE COLLEGIC EXPARGAON DIST-ATMEUNAGAR.

# CERTIFICATE



This is to certify that the work incorporated in this project report entitled "SYNTHESIS AND STUDY OF SCHIFF'S BASE LIGAND" being submitted to the Head, Department of Chemistry S.S.G.M. College kopargaon and Savitribai Phule Pune University, Pune by Miss Varsha Goraleshanath Shinde was carried out by him under my supervision at S.S.G.M. College Kopargaon. Dist- Ahmednagar from other source has duly acknowledged in this project report.

Date ≥ /0√2022

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Prof. Kashid P. D.

Project Guide,

Department of Chemistry,

S.S.G.M. College, Kopangaon

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Prof. Deshmukh A.K. Head, P.G. and Research Department of Chemistry, S.S.G.M. College, Kopargaon.

(mr. Gozavi A.B.

(Ex:Exa.)

S.S.G.M.College Kopargaon

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### Project report

On

# " SYNTHESIS AND STUDY OF SCHIFF'SBASE LIGAND "

M.Sc. Project carried out as part of curriculum for degree of "Master of Science" in Analytical Chemistry at S.S.G.M. College, Kopargaon

## Submitted By

Mr. Khillare Rushikesh Sampat

M.Sc. II (Analytical Chemistry)

2021-2022

Guided By

Prof. KASHID P. D. Submitted To



P.G. and Research, Department of Chemistry S.S.G.M. College, Kopargaon, [423601] Dist.-Ahmednagar [MS], India.



Rayat Shikshan Sanstha a

STIRL SADGURU GANGAGEERI MAH ARAJ SCIENCE, GAUTAM ARTS

AND SANJIVANI COMMERCE COLLEGE, E OPARGAON, DIST-AHMEDNAGAR,

# CERTIFICATE



This is to certify that the work incorporated in this project report entitled "SYNTHESIS AND STUDY OF SCHIFF'S BASE LIGAND" being submitted to the Head, Department of Chemistry S.S.G.M.

College kopargaon and Savitribai Phule Pune University, Pune by Mr. Khillare Rushikesh Sampat was carried out by him under my supervision at S.S.G.M. College Kopargaon. Dist- Ahmednagar from other source has duly acknowledged in this project report.

Date: 23/02/2022

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Prof. Kashid P. D.

Project Guide,

Department of Chemistry,

S.S.G.M. College, Kopargaon

)

Prof. Deshmukh A.K.

Head, P.G. and Research

Department of Chemistry,

S.S.G.M. College, Kopargaon.

Mr. Gssavi A.B.

25 5 2022

Ex: Exa

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# PROJECT REPORT

ON

"TO FIND DIELECTRIC CONSTANT OF DIFFERENT LIQUID'S"



Submitted in a partial fullfillment for the award of degree

Science of Science

Physics

Savitribal Phule Pune University, Pune

Submitted By

MISS.GHAYTADKAR DIPALI SARJERAO

M.Sc.II (PHYSICS)

Under Guidance of

Miss. V.S.Barbate

DEPARTMENT OF PHYSICS,

S.S.G.M.College,Kopargaon

Year 2021 -2022

Principal 8.s.G.M.College Kopargaon Roll No. :-8534

Exam Seat No. :-

"Education through self-help is our Motto" - KARMVEER

Rayat Shikshan Sanstha's.

SHRI SADGURU GANGAGEER MAHARAJSCIENCE, GAUTAM ARTS AND SANJIVANI COMMERCECOLLEGE, KOPARGAON.



Savitribal Phule Pune University, Pune

DEPARTMENT OF PHYSICS

CERTIFICATE

This is certify that MIss.GHAYTADKAR DIPALI SARJERAO of M.Sc.II (PHYSICS) has successfully completed his project work on "TO FIND DIELECTRIC CONSTANT OF DIFFERENT LIQUID'S" as prescribed by the Savitribai Phule Pune University in the Academic year 2021-2022.

Physics.

Project Guide

Miss. V.S.Barhate

Head of Department

Prof.Dr.G.N.Kakde

Kopargaon

## Project Report

On

"To Determine the magnetic Susceptibility by Gouy's Method"



Submitted in a partial fulfillment of the requirement for the

Bachelor of Science In Physics.

Savitribai Phule Pune University

Submitted By

Miss. THOMABRE ANITWEST PRAMIOD

TY BSC (Physics)

S. S. G. M. College, Kepargaen

Department of Physics,

111111111111111111111111111111

2021-2022

ROLL NO:

8015

EXAM SEAT NO:

"Education through self-help is our motto"-Karmaveer.

Rayar Shikshan Sanstha's,

Shri Sadguru Gangageer Maharaj Science,

Gautam Arts & Sanjivani Commerce College,

Kopargaon, Dist:-Ahmednagar



Savitribai Phule Pane

University

This is to certify that submitted Miss. Thombare Ashwati Pramod of class TY Bsc (Physics), has satisfactory completed his project work as per rule laid down by the Savitribai Phule PuneUniversity entitled as "To Determine the Magnetic Susceptibility-by Gouy's Method" during academic year 2021-2022.

PROF . A.B. Autade

Project Guide

External Examiner

COLL Pr.G.N.Kakade

Head of Department

2 | Page

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