


## Project Report of M.Sc. Chemistry IV Semester 2022-2023

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TARANATHSHIKSHANASAMSTHE  
**LAXMI VENKATESH DESAI COLLEGE**  
**RAICHUR**

DEPARTMENT OF POST GRADUATE STUDIES IN CHEMISTRY (M.Sc)

**CERTIFICATE**

DATE:

This is to certify that this project entitled "synthesis, properties and practical uses of sodium polyacrylate a superabsorbant polymer" submitted by Miss KUMARI SOUJANYA REG NO: P23AB21S0015 to the department of post graduate studies in chemistry, laxmi venkatesh desai college , raichur, affiliated to raichur university, raichur , in partial fulfillment of the requirements for the award of m.sc degree in chemistry during the year 2023 is to carried out under my supervision.

*Jasmeen*  
**SUPERVISOR:**

PROF. JASMEEN  
L.V.D COLLEGE RAICHUR.

*Dr. Venkatesh B. Devaru*  
**PRINCIPAL:**

DR. VENKATESH B. DEVARU.  
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*Narayanachar*  
**HOD OF PG STUDIES:**

DR. NARAYANACHAR  
L.V.D COLLEGE RAICHUR  
*Head, Dept. of Chemistry*  
*L.V.D. Coll:ge, RAICHUR.*

**EXAMINERS-1:**

*Jasmeen*  
25/08/24

2.

*Veter*  
8/1/24



TARANATHSHIKSHANASAMSTHE  
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**RAICHUR**

DEPARTMENT OF POST GRADUATE STUDIES IN CHEMISTRY (M.Sc)

**CERTIFICATE**

DATE: 08/10/24

This is to certify that this project entitled "synthesis, properties and practical uses of sodium polyacrylate a superabsorbant polymer" submitted by Miss NAGUNDI MUSKAN REG NO: P23AB21S0024 to the department of post graduate studies in chemistry, laxmi venkatesh desai college , raichur, affiliated to raichur university, raichur , in partial fulfillment of the requirements for the award of m.sc degree in chemistry during the year 2023 is to carried out under my supervision.

*Jasmeen*  
**SUPERVISOR:**  
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**HOD OF PG STUDIES:**  
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**PRINCIPAL:**  
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Principal  
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EXAMINERS: 1. *Jasmeen* 08/10/24

2. *Venka*  
*08/10/24*



TARANATH SHIKSHANA SAMSTHE  
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DEPARTMENT OF POST GRADUATE STUDIES IN CHEMISTRY (M.Sc)

**CERTIFICATE**

**DATE:**

This is to certify that this project entitled "synthesis, properties and practical uses of sodium polyacrylate a superabsorbant polymer" submitted by Miss MADIHAT NOORIYN SYEDA REG NO: P23AB21S0016 to the department of post graduate studies in chemistry, laxmi venkatesh desai college , raichur, affiliated to raichur university,raichur , in partial fulfillment of the requirements for the award of m.sc degree in chemistry during the year 2023 is to carried out under my supervision.

**SUPERVISOR:**

*Jasmeen*  
PROF. JASMEEN

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**HOD OF PG STUDIES:**

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Head, Dept. of Chemistry  
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**EXAMINERS: 1.** *Jasmeen* 08/01/2024

**2.** *Narayana*  
08/1/24



TARANATH SHIKSHANA SAMSTHE  
**LAXMI VENKATESH DESAI COLLEGE**  
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**CERTIFICATE**

This is to certify that the project entitled "Synthesis, properties and practical uses of sodium polyacrylate ,A super absorbent polymer" submitted by RAMESH (Reg.No. P23AB21S0015) to the department of post graduate studies in chemistry ,laxmi Venkatesh desai college , raichur, affiliated to raichur university, raichur , in Partial fulfillment of requirements for the award of m.sc degree in chemistry during the year 2023 is to carried out under my supervision.

*Jasmeen*  
SUPERVISOR:

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HOD OF PG STUDIES

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Dr.VENKATESH B.DEVARU  
L.V.D. College, RAICHUR

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L.V.D College , Raichur

External Examiner

1)

*Jasmeen*  
08/01/2024

2)

*Narayan*  
8/1/24

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## CERTIFICATE

This is to certify that the project "SYNTHESIS AND CHARACTERISATION OF TRANSITION METAL COMPLEXES DERIVED FROM BENZOFURAN SCHIFF'S BASES" submitted by **K CHAITANYA** (Reg.No. P23AB21S0008) for Partial fulfillment for the award of **DEGREE OF MASTER OF SCIENCE IN CHEMISTRY** is based on Instrumentation and its applications carried out by her under my supervision.

SUPERVISOR

Dr. Narayanachar

L.V.D College, Raichur

HOD Of Dept. of Chemistry

Dr. Narayanachar

L.V.D College, Raichur

PRINCIPAL

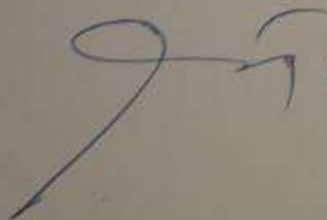
Principal  
Dr. Venkatesh B. Devaru  
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L.V.D College, Raichur

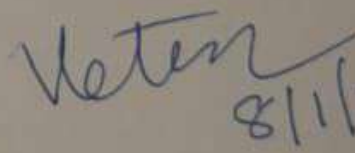
Head, Dept. of Chemistry  
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 08/01/2024

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**“SYNTHESIS AND CHARACTERIZATION OF  
TRANSITION METAL COMPLEXES DERIVED FROM  
BENZOFURAN SCHIFF’S BASES”**

Major project submitted to the Department of Chemistry, Raichur University,  
Yeragera in partial fulfillment of the Degree of

**Master of Science**

**In**

**Chemistry**

**By**

**G SHRUTI**

**Reg.No:P23AB21S0012**

**Project supervisor**

**Dr.NARAYANACHAR M.Sc.,Ph.D**



**Department of Post Graduate Studies and Research in Chemistry**

**Raichur University, RAICHUR-58401**

**Karnataka,India**

**2022-2023**



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## CERTIFICATE

This is to certify that the project "SYNTHESIS AND CHARACTERISATION OF TRANSITION METAL COMPLEXES DERIVED FROM BENZOFURAN SCHIFF'S BASES" submitted by **SHARATH KUMAR** (Reg.No. P23AB21S0023) for Partial fulfillment for the award of **DEGREE OF MASTER OF SCIENCE IN CHEMISTRY** is based on Instrumentation and Its applications carried out by her under my supervision.

SUPERVISOR

Dr. Narayanachar

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HOD Of Dept. of Chemistry

Dr. Narayanachar

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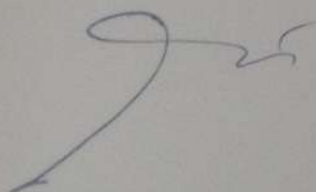
Dr. Venkatesh B. Devaru  
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L.V.D College, Raichur

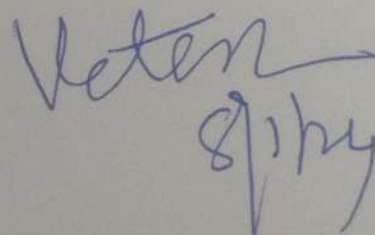
Head, Dept. of Chemistry  
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 08/01/2024

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**“SYNTHESIS AND CHARACTERIZATION OF  
TRANSITION METAL COMPLEXES DERIVED FROM  
BENZOFURAN SCHIFF’S BASES”**

Major project submitted to the Department of Chemistry, Raichur University,  
Yeragera in partial fulfillment of the Degree of

**Master of Science**

**In**

**Chemistry**

**By**

**SAGAR**

Reg.No:P23AB21S0025

Project supervisor

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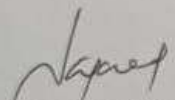



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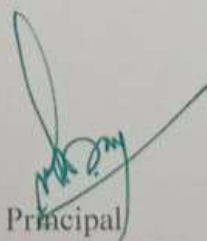
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## CERTIFICATE

This is to certify that the project “CORROSION INHIBITION OF MILD STEEL BY HENNA” submitted by TRIVENI Reg No: P23AB21S0006 for partial fulfillment for the award of DEGREE OF MASTER OF SCIENCE IN CHEMISTRY is based on Instrumentation and its applications carried out by her under my Supervision.

  
SUPERVISOR  
Dr. Jayateertha N.S  
L.V.D College, Raichur

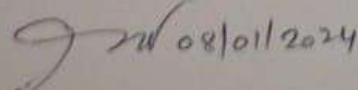
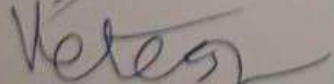
  
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### CERTIFICATE

This is to certify that the project "CORROSION INHIBITION OF MILD STEEL BY HENNA" submitted by **UZMA NAHID** Reg No: P23AB21S0009 for partial fulfillment for the award of DEGREE OF MASTER OF SCIENCE IN CHEMISTRY is based on Instrumentation and its applications carried out by her under my supervision.

  
SUPERVISOR

**Dr. Jayateertha N.S**  
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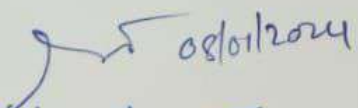

*Head, Dept. of Chemistry*  
**L.V.D. College, RAICHUR.**

  
Principal

**Dr. Venkatesh B. Devaru**  
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External Examiners:

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### CERTIFICATE

This is to certify that the project "CORROSION INHIBITION OF MILD STEEL BY HENNA" submitted by SYEDA FATIMA SUGRA Reg No: P23AB21S0011 for partial fulfillment for the award of DEGREE OF MASTER OF SCIENCE IN CHEMISTRY is based on Instrumentation and its applications carried out by her under my Supervision.

*Jayateertha*  
SUPERVISOR  
Dr. Jayateertha N.S  
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*Narayanachar*  
HOD of Dept. of Chemistry  
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*Dr. Venkatesh B. Devaru*  
Principal  
Dr. Venkatesh B. Devaru  
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L.V.D. College, RAICHUR

External Examiners:

1)

2)

*Vetera*  
*Siby*

*08/01/2024*

**“SYNTHESIS AND CHARACTERIZATION OF  
TRANSITION METAL COMPLEXES DERIVED FROM  
BENZOFURAN SCHIFF’S BASES”**

Major project submitted to the Department of Chemistry, Raichur University,  
Yeragera in partial fulfillment of the Degree of

**Master of Science**

**In**

**Chemistry**

**By**

**RADAMMA**

**REG NO:P23AB21S0019**

**Project supervisor**

**Dr.NARAYANACHAR M.Sc ,Ph.D**



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**Karnataka,India**

**2022-2023**

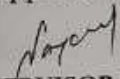
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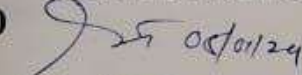

This is to certify that the project "DEFLUORIDATION OF WATER USING BIOSORBENTS-KINETIC AND THERMODYNAMIC STUDY" Submitted by S.RAVIRAJ (Reg. No: P23AB21S0007) for partial fulfillment for the award of DEGREE OF MASTER OF SCIENCE IN CHEMISTRY is based on Instrumentation and its applications carried out by him under my supervision.

  
SUPERVISOR:  
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- L.V.D. Coll:ge, RAICHUR.*

  
Principal  
Dr. Venkatesh B Devaru  
L.V.D College, Raichur.  
Principal  
L.V.D. College, RAICHUR

#### External Examiners:

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05/01/24
- 2)   
8/1/24

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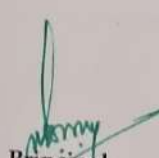
### CERTIFICATE

This is to certify that the project "DEFLUORIDATION OF WATER USING BIOSORBENTS-KINETIC AND THERMODYNAMIC STUDY" Submitted by VIDYASHREE (Reg No: P23AB21S0013) for partial fulfillment for the award of DEGREE OF MASTER OF SCIENCE IN CHEMISTRY is based on Instrumentation and its applications carried out by her under my supervision.

  
SUPERVISOR:  
Prof. JAYATEERTHA N S  
L.V.D College, Raichur

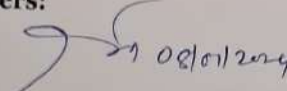
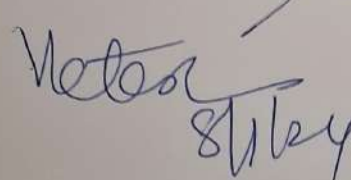
  
HOD Of Dept. Of Chemistry  
Prof. NARYANACHAR  
L.V.D College, Raichur.

*Head, Dept. of Chemistry  
L.V.D. Coll:ge, RAICHUR.*

  
Principal  
Dr. Venkatesh B Devaru  
L.V.D College, Raichur.

Principal  
L.V.D. College, RAICHUR

External Examiners:

- 1) 
- 2) 



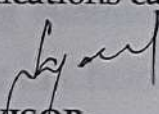
Dr. Venkatesh B. Devaru  
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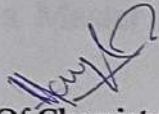


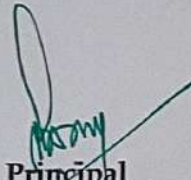
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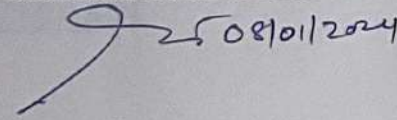
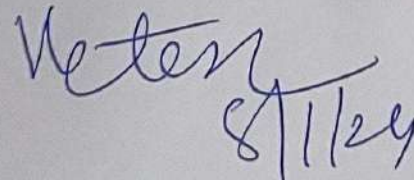
This is to certify that the project "DEFLUORIDATION OF WATER USING BIOSORBENTS-KINETIC AND THERMODYNAMIC STUDY" Submitted by **JEEVA (Reg. No: P23AB21S0017)** for partial fulfillment for the award of **DEGREE OF MASTER OF SCIENCE IN CHEMISTRY** is based on Instrumentation and its applications carried out by her under my supervision.

  
SUPERVISOR:  
**Prof. JAYATEERTHAN S**  
L.V.D College, Raichur

  
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**Prof. NARYANACHAR**  
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Principal  
**Dr. Venkatesh B Devaru**  
L.V.D College, Raichur.  
Principal  
L.V.D. College, RAICHUR

### External Examiners:

- 1)   
25/08/2024
- 2)   
8/1/24

Dr. Venkatesh B. Devaru

Principal

L.V.D College,

Raichur - 584103

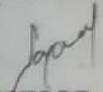



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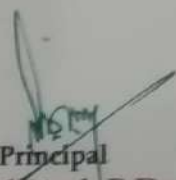
### CERTIFICATE

This is to certify that the project "DEFLUORIDATION OF WATER USING BIOSORBENTS-KINETIC AND THERMODYNAMIC STUDY" Submitted by DEVI (Reg. No: P23AB21S0016) for partial fulfillment for the award of DEGREE OF MASTER OF SCIENCE IN CHEMISTRY is based on Instrumentation and its applications carried out by her under my supervision.

  
SUPERVISOR:  
Prof. JAYATEERTHAN S  
L.V.D College, Raichur

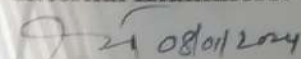
  
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External Examiners:

1)  08/01/2024

2)  09/01/2024

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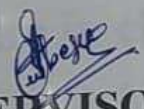



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Ph No : 08532-240286


## CERTIFICATE

This is to certify that the project "ISOLATION, ESTIMATION AND PRELIMINARY CHARACTERISATION OF CAFFEINE FROM THE TEA AND COFFEE POWDERS"

submitted by **SINDHU P.S** (Reg.No. P23AB21S0018) for Partial fulfillment for the award of **DEGREE OF MASTER OF SCIENCE IN CHEMISTRY** is based on Instrumentation and its applications carried out by her under my supervision .

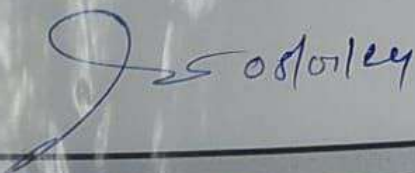
  
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**External Examinar**

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



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## CERTIFICATE

This is to certify that the project **"ISOLATION, ESTIMATION AND PRELIMINARY CHARACTERISATION OF CAFFEINE FROM THE TEA AND COFFEE POWDERS"**

submitted by **VIJAY KUMAR** Reg.No:P23AB21S0022 for Partial fulfillment for the award of **DEGREE OF MASTER OF SCIENCE IN CHEMISTRY** is based on Instrumentation and its applications carried out by her under my supervision .

  
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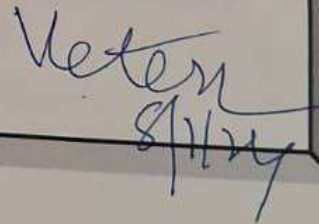
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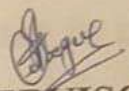


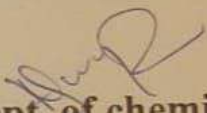
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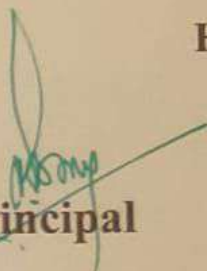
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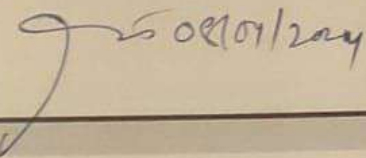
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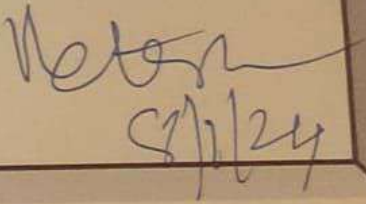
  
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2)   
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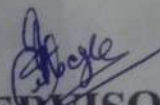


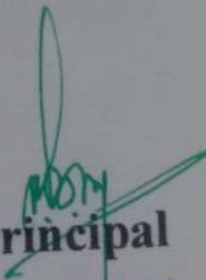
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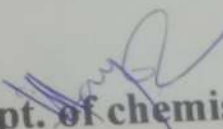
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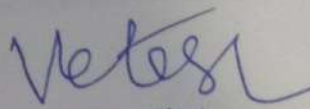
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Internal Examiner

2)   
8/1/24



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