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UNIVERSITY

Sahyadri Science College, Shivamogga -577203

CERTIFICATE

This is to certify that the Project report entitled "Green synthesis of CuO nanoparticles from papaya peel extract and their characterisation" is carried out by Pooja S Tyagarthi submitted for the partial fulfilment of academic curriculum of MSc IV semester Chemistry under the guidance of Dr Harisha K V, Guest Lecturer, Department of Chemistry Sahyadri Science College, Shivamogga - 577203

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Havily Signature

Coordinator

Research Guide

Dr. Prabhakar Chavan
Dr. Prabhakar Chavan

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Assistant Professor & Co-ordinator
et. of PG Studies & Research in Chemistry
Sahyadri Science College
Assistant Professor & Research in Chemistry
Sahyadri Science College
Assistant Professor & Research in Chemistry
Sahyadri Science College
Assistant Professor & Research in Chemistry
Sahyadri Science College



CERTIFICATE

This is to certify that the Project report entitled "Chemical and electrochemical behaviour of sodium oleate on mild steel corrosion in 3,5% NaCl medium" is carried out by Kavya N submitted for the partial fulfilment of academic curriculum of MSc IV semester Chemistry under the guidance of Dr. Pavithra Department of Chemistry Sahyadri Science College, MK, Guest Lecturer Shivamogga - 577203

I further declare that this Dissertation or any part of itlas not be submitted else where for any other department or diploma to any other University or Institute.

Signature

Research Guide

1 - MIC

Dr. Prabhakar Chavan

M.Sc., M.Phil., Ph.D.

Assistant Professor & Co-ordinator Dept. of PG Studies & Research in Chemistry

Sahyadri Science College

Kuvempu University, Shivamogga-577203



CERTIFICATE

This is to certify that the Project report entitled "Corrosion Inhibition of Mild steel by 3-Amino-1,2,4-Triazole in Acid Medium" is carried out by Tejaswini H S submitted for the partial fulfilment of academic curriculum of MSc IV semester Chemistry under the guidance of Dr Pavithra M K, Guest Lecturer Department of Chemistry Sahyadri Science College, Shivamogga - 577203

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

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Assistant Professor & Co-ordinator
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Kuvempu University, Shivamogga-577203



CERTIFICATE

This is to certify that the Project report entitled "Synthesis and Characterization of NiMn2O4 NPs via Combustion Using Green Fuel for Efficient Photocatalytic Dye Degradation and Colourless Effluent Remediation." is carried out by Shilpa H A submitted for the partial fulfilment of academic curriculum of MSc IV semester Chemistry under the guidance of Dr Yuvaraj T C M, Associate Professor Department of Chemistry Sahyadri Science College, Shivamogga - 577203

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

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Kuvempu University, Shivamogga-577203



CERTIFICATE

This is to certify that the project work report entitled "Tribological Studies and Corrosion inhibition behaviour of Steric acid "is carried out by Mr. Akash C.R submitted for the partial ful-fillment of academic curriculum of IV semester, M.Sc. Chemistry, under the guidance of Dr. Chethan M Kuskur, Guest Lecture, Department of PG Studies and Research in Chemistry, Sahyadri Science College -577203.

Project Guide

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CERTIFICATE

This is to certify that the project work report entitled "POLY (Titan Yellow) SENSOR FOR HYDROQUINONE: A VOLTAMMETRIC METHOD" is carried out by Mr. H CHANDRAKANTHA NAIK submitted for the partial ful-fillment of academic curriculum of IV semester, M.Sc. Chemistry, under the guidance of Dr. Chethan M Kuskur, Guest Lecture, Department of PG Studies and Research in Chemistry, Sahyadri Science College -577203.

Project Guide

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Co-ordinator

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Assistant Professor & Co-ordinator

Dept. of PG Studies & Research in Chemistry

Sahyadri Science College

Kuvempu University, Shivamogga-577203



CERTIFICATE

This is to certify that the Project report entitled "Combustion Synthesized Cu3Mo2O9 Nanomaterials: A Pathway to Sustainable Biofuels and Effective Photocatalytic Degradation" is carried out by Varsha N Pawar submitted for the partial fulfilment of academic curriculum of MSc IV semester Chemistry under the guidance of Dr Yuvaraj T C M, Associate Professor Department of Chemistry Sahyadri Science College, Shivamogga - 577203

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Signature

Research Guide

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Kuvempu University, Shivamogga-577203

PRINCIPAL

SAHYADRI SCIENCE COLLEGE (Constituent College of Kuvempu University)

SHIMOGA, Karnataka State.



CERTIFICATE

This is to certify that the Project report entitled "Electrochemical reduction of p-nitroaniline and corrosion inhibition study of its reduced product is acid media" is carried out by VIDYA G C submitted for the partial fulfilment of academic curriculum of M.Sc. IV semester Chemistry under the guidance of Dr. SHREEKANTA S A Associate Professor, Department of Chemistry Sahyadri Science College, Shivamogga - 577203

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Signature

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M Sc. Mi.Phill.Ph.D.

Asst. Professor

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Sahyadri Science College
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Coordinator

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Assistant Professor & Co-ordinator
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Yuvempu University, Shivamogga-577203



CERTIFICATE

This is to certify that the Project report entitled "Electrochemical studies on mild steel corrosion inhibition by folic acid in acid chloride medium" is carried out by RAJESHWARI B submitted for the partial fulfilment of academic curriculum of M.Sc. IV semester Chemistry under the guidance of Dr. Chethan M Kuskur Guest Lecturer, Department of Chemistry Sahyadri Science College, Shivamogga - 577203

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Signature

Research Guide

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M.Sc., M.Phil., Ph.D. Assistant Professor & Co-ordinator Dept. of PG Studies & Research in Chemistry Sahyadri Science College

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CERTIFICATE

This is to certify that the project work report entitled "POLY (Titan Yellow) SENSOR FOR CATECHOL: A VOLTAMMETRIC METHOD" is carried out by Mr. BASAVANAGOUDA A B submitted for the partial fulfillment of academic curriculum of IV semester, M.Sc. Chemistry, under the guidance of Dr. Chethan M Kuskur, Guest Lecture, Department of PG Studies and Research in Chemistry, Sahyadri Science College -577203.

Project Guide

Dr. CHETHAN M KUSKUR

Co-ordinator

Dr. Prabhakar Chavan

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Assistant Professor & Co-ordinator
Dept. of PG Studies & Research in Chemistry
Sahyadri Science College
Kuvempu University, Shivamogga-577203



CERTIFICATE

This is to certify that the Project report entitled "Synthesis and Characterisation of Fe₃O₄ Nanoparticles by Co-precipitation Method" is carried out by Ashwini C B submitted for the partial fulfilment of academic curriculum of MSc IV semester Chemistry under the guidance of Dr Harisha K V, Guest Lecturer, Department of Chemistry Sahyadri Science College, Shivamogga - 577203

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Research Guide

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M.Sc., M.Phil., Ph.D. Assistant Professor & Co-ordinator Dept. of PG Studies & Research in Chemistry Sahyadri Science College Kuvempu University, Shivamogga-577203



CERTIFICATE

This is to certify that the Project report entitled "Studies on electrochemical behaviour of p-nitroaniline and application as acid corrosion inhibition of its reduced product" is carried out by POOJA M E submitted for the partial fulfilment of academic curriculum of M.Sc. IV semester Chemistry under the guidance of Dr. SHREEKANTA S A Associate Professor, Department of Chemistry Sahyadri Science College, Shivamogga - 577203

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Signature

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CERTIFICATE

This is to certify that the Project report entitled "Synthesis and Characterisation of Fe₃O₄ Nanoparticles by Co-precipitation Method" is carried out by Sahana M N submitted for the partial fulfilment of academic curriculum of MSc IV semester Chemistry under the guidance of Dr Harisha K V ,Guest Lecturer ,Department of Chemistry Sahyadri Science College, Shivamogga - 577203

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

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Research Guide



CERTIFICATE

This is to certify that the Project report entitled "Studies on electrochemical behaviour of p- nitroaniline and application of its reduced product as corrosion inhibitor" is carried out by PREKSHA K P submitted for the partial fulfilment of academic curriculum of M.Sc. IV semester Chemistry under the guidance of Dr. SHREEKANTA S A Associate Professor, Department of Chemistry Sahyadri Science College, Shivamogga - 577203

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

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Sahyadri Science College

Kuvempu University, Shivamogga-577203



CERTIFICATE

This is to certify that the Project report entitled "Voltammetric study of hydrochlorothiazide using poly (lysine) electrode." is carried out by BINDU M submitted for the partial fulfilment of academic curriculum of M.Sc. IV semester Chemistry under the guidance of Dr. PURUSHOTHAMA H T Chemistry Sahyadri Science College, Guest Lecturer, Department of Shivamogga

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Dr. Pwwshottama (4.7) Research Guide

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Assistant Professor & Co-ordinator ept. of PG Studies & Research in Chemistry Sahyadri Science College

Kuvempu University, Shivamogga-577203



CERTIFICATE

This is to certify that the Project report entitled "Green synthesis of zinc oxide nanoparticles from Eucalyptus globulus leaves extract and their characterisation" is carried out by Srinivas B N submitted for the partial fulfilment of academic curriculum of MSc IV semester Chemistry under the guidance of Dr Harisha K V ,Guest Lecturer ,Department of Chemistry Sahyadri Science College, Shivamogga - 577203

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Signature .

Coordinator

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Assistant Professor & Co-ordinator
ept. of PG Studies & Research in Chemistry
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uvempu University, Shivamogga-577203

Research Guide



CERTIFICATE

This is to certify that the Project report entitled "Voltammetric studies of atenolol using modified PGE." is carried out by SINDHUSHREE S submitted for the partial fulfilment of academic curriculum of M.Sc. IV semester Chemistry under the guidance of Dr. PURUSHOTHAMA H T Guest Lecturer, Department of Chemistry Sahyadri Science College, Shivamogga

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Dn. Pwwshotharra 4.7) Research Guide Coordinator

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Assistant Professor & Co-ordinator

Dept. of PG Studies & Research in Chemistry

Coloradri Science College

Sahyadri Science College Kuvempu University, Shivamogga-577203



CERTIFICATE

This is to certify that the Project report entitled "Green synthesis of CuO nanoparticles from papaya peel extract and their characterisation" is carried out by Geetha S M submitted for the partial fulfilment of academic curriculum of MSc IV semester Chemistry under the guidance of Dr Harisha K V ,Guest Lecturer ,Department of Chemistry Sahyadri Science College, Shivamogga - 577203

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

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Coordinator

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Kuvempu University, Shivamogga-577203

Research Guide

PRINCIPAL



CERTIFICATE

This is to certify that the Project report entitled "Green synthesis of MnMo4 nanomaterials via Garcinia Combogia Seed Powder for Photocatalytic Dye Degradation and Colourless Effluent Remediation" is carried out by Sneha M M submitted for the partial fulfilment of academic curriculum of MSc IV semester Chemistry under the guidance of Dr K P Latha Professor, Department of Chemistry Sahyadri Science College, Shivamogga - 577203

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Signature

Research Guide

Dr. K.P Latha M.Sc., P.hD.,
Professor & Chairman

Department of PG Studies & Research in Chemistry
Sahyadri Science College

Shivamogga

Coordinator

Dr. Prabhakar Chavan

M.Sc., M.Phil., Ph.D.
Assistant Professor & Co-ordinator
Dept. of PG Studies & Research in Chemistry
Sahyadri Science College

Kuvempu University, Shivamogga-577203

PRINCIPAL
MADRI SCIENCE COLLEG



CERTIFICATE

This is to certify that the Project report entitled "AN ELECTROCHEMICAL INVESTIGATION OF ATENOLOL BY USING POLY (PHOSPHOMOLYBDIC ACID) MODIFIED PENCIL ELECTRODE" is carried out by PAVITHRA M submitted for the partial fulfilment of academic curriculum of M.Sc. IV semester Chemistry under the guidance of Dr. PURUSHOTHAMA H T Guest Lecturer, Department of Chemistry Sahyadri Science College, Shivamogga

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Don. Purushothama H.T.)

Dr. Prabhakar Chavan

M.Sc., M.Phil., Ph.D.

Assistant Professor & Co-ordinator Dept. of PG Studies & Research in Chemistry Sahyadri Science College

Kuvempu University, Shivamogga-577203



CERTIFICATE

certify that the Project report entitled "SYNTHESIS, CHARACTERISATION OF SOME TRANSTION METALS (II) COMPLEXES LIKE Mn, Fe, Ni, Co and Zn" is carried out by AKSHAY M V Submitted for the partial fulfilment of academic curriculum of M.Sc, IV semester Chemistry under the guidance of Dr. VITTAL RAO K.S Associate Professor, Department of Chemistry Sahyadri Science College, Shivamogga.

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Signature

Dr. Prabhakar Chavan

M.Sc., M.Phil., Ph.D.

Assistant Professor & Co-ordinator

Dept. of PG Studies & Research in Chemistry

Sahyadri Science College Kuvempu University, Shivamogga-577203

Research Guide



CERTIFICATE

This is to certify that the Project report entitled "Synthesis and characterization of Green Combustion Derived CuNiMn2O4 Nanoparticles using Garcinia Combogia Seed Powder for Efficient Photocatalytic Dye Degradation and Colourless Effluent Remediation" is carried out by Bindu T submitted for the partial fulfilment of academic curriculum of MSc IV semester Chemistry under the guidance of Dr K P Latha Professor, Department of Chemistry Sahyadri Science College, Shivamogga - 577203

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Signature

Research Guide

Dr. Prabhakar Chavan

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Sahyadri Science College
Kuvempu University, Shivamogga-577203

्र अर्जारित क्रीकाउड चार्क्सपृष्टि M.Sc., १५०., ii प्रशास्त्रकार क्रीकाइम्बद्धिः तीमात्राचार्यसम् वाचारकार्यात्राह्मितिकार्यक्षितिकार्यस्थात्रे (Research in Chemistry—

/ PRINCIPAL



CERTIFICATE

This is to certify that the Project report entitled "STUDIES ON ISOLATION OF CURCUMIN FROM TURMERIC AND ITS ELECTROCHEMICAL STUDY" is carried out by SONALI KOLKAR K R submitted for the partial fulfilment of academic curriculum of M.Sc. IV semester Chemistry under the guidance of Dr. SHREEKANTA S A Associate Professor, Department of Chemistry Sahyadri Science College, Shivamogga

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Signature

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Dr. Prabhakar Chavan M.Sc., M.Phil., Ph.D.

Assistant Professor & Co-ordinator Dept. of PG Studies & Research in Chemistry Sahyadri Science College

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CERTIFICATE

This is to certify that the Project report entitled "SYNTHESIS, CHARACTERISATION OF SOME TRANSTION METALS (II) COMPLEXES LIKE Mn, Fe, Ni, Co and Zn" is carried out by DARSHAN S B Submitted for the partial fulfilment of academic curriculum of M.Sc, IV semester Chemistry under the guidance of Dr. VITTAL RAO K.S Associate Professor, Department of Chemistry Sahyadri Science College, Shivamogga.

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

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Research Guide



CERTIFICATE

is to certify that the Project report entitled "STUDIES ON ELECTROCHEMICAL BEHAVIOUR OF CURCUMIN DERIVATIVE" is carried out by JAYASHREE D Submitted for the partial fulfilment of academic curriculum of M.Sc. IV semester Chemistry under the guidance of Dr. SHREEKANTA S A Associate Professor, Department of Chemistry Sahyadri Science College, Shivamogga.

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

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M Sc., N., Phill., Ph.D. Asst. Professor Department of P.G. Studies and Research in Chemistry Sahyadri Science College Shimoga.

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CERTIFICATE

This is to certify that the Project report entitled "SYNTHESIS OF NICKEL OXIDE NANOPARTICLES AND DOPED WITH IRON USING SOL - GEL PROCESS AND STUDY OF THEIR AC CONDUCTIVITY" is carried out by NAYANA M submitted for the partial fulfilment of academic curriculum of M.Sc. IV semester Chemistry under the guidance of Dr. PRABHAKAR CHAVAN Assistant Professor, Department of Chemistry Sahyadri Science College, Shivamogga

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

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Assistant Professor & Co-ordinator
Dept. of PG Studies & Research in Chemistry
Sahyadri Science College

Kuvempu University, Shivamogga-577203



CERTIFICATE

This is to certify that the Project report entitled "GREEN SYNTHESIS OF ZINC OXIDE NANOPARTICLES AND ITS CHARACTERIZATION" is carried out by MANJUANTHA J Submitted for the partial fulfilment of academic curriculum of M.Sc. IV semester Chemistry under the guidance of Dr. DEEPA K, Guest Lecturer, Assistant Professor, Department of Chemistry Sahyadri Science College, Shivamogga.

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Signature

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Sahyadri Science College

Assistant Professor & Co-ordinator
College
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Sahyadri Science College
Assistant Professor & Co-ordinator
Sahyadri Science College
Assistant Professor & Co-ordinator
Sahyadri Science College



CERTIFICATE

This is to certify that the Project report entitled "STUDIES ON SYNTHESIS AND ELECTROCHEMICAL BEHAVIOR OF CURCUMIN DERIVATIVE" is carried out by PRIYANKA B M submitted for the partial fulfilment of academic curriculum of M.Sc. IV semester Chemistry under the guidance of Dr. SHREEKANTA S A Associate Professor, Department of Chemistry Sahyadri Science College, Shivamogga

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

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Asst. Professor
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga.

Dr. Prabhakar Chavan

M.Sc., M.Phil., Ph.D. Assistant Professor & Co-ordinator

Research in Chemistry



CERTIFICATE

This is to certify that the Project report entitled "SYNTHESIS AND CHARACTERIZATION OF PURE NICKEL OXIDE AND COPPER DOPED NICKEL OXIDE NANOPARTICLES" is carried out by **POOJA L U** Submitted for the partial fulfilment of academic curriculum of **M.Sc. IV semester Chemistry** under the guidance of **Dr. DEEPA K**, Guest Lecturer, Assistant Professor, Department of Chemistry Sahyadri Science College, Shivamogga.

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

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Assistant Professor & Co-ordinator
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CERTIFICATE

This is to certify that the Project report entitled "SYNTHESIS OF SILVER OXIDE NANOPARTICLES AND DOPED WITH COPPER USING SOL - GEL PROCESS AND STUDY OF THEIR AC CONDUCTIVITY." is carried out by APOORVA P M submitted for the partial fulfilment of academic curriculum of M.Sc. IV semester Chemistry under the guidance of Dr. PRABHAKAR CHAVAN Assistant Professor, Department of Chemistry Sahyadri Science College, Shivamogga

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

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Assistant Professor & Co-ordinator Dept. of PG Studies & Research in Chemistry

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CERTIFICATE

This is to certify that the Project report entitled "Corrosion Inhibition of Mild steel by 1,2,4-Triazole in Acid Medium" is carried out by Manisha G Gowda submitted for the partial fulfilment of academic curriculum of MSc IV semester Chemistry under the guidance of Dr. Pavithra M K ,Guest Lecturer Department of Chemistry Sahyadri Science College, Shivamogga - 577203

I further declare that this Dissertation or any part of it is not be submitted else where for any other department or diploma to any other University or Institute.

Signature

Research Guide

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Assistant Professor & Co-ordinator

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Sahyadri Science College

Sahyadri Science College Kuvempu University, Shivamogga-577203



CERTIFICATE

This is to certify that the project work report entitled "SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL EVALUATION OF DIPHENYL IMIDAZOLE-2-YL-QUINOLINONE DERIVATIVES" is carried out by ASHITHA P GOWDA submitted for the partial fulfillment of academic curriculum of M.Sc IV semester, Chemistry, under the guidance of Dr. Prabhakar Chavan, Assistant Professor, Department of Chemistry, Sahyadri Science College.

Signature

Research Guide

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Dr. Prabhakar Chavan
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Shivamogga-577203

CERTIFICATE

This certify the project work report entitled "SYNTHESIS, **CHARACTERIZATION** AND **BIOLOGICAL EVALUATION** DIPHENYLTHIAZOLE-2-YL-QUINOLINONE DERIVATIVES" is carried out by Chandana K submitted for the partial fulfillment of academic curriculum of IV semester, M.Sc. Chemistry, under the guidance of Dr. Prabhakar Chavan, Assistant Professor, Department of Chemistry, Sahyadri Science College -577203.

Signature

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Dr. Prabhakar Chavan

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Sahyadri Science College

Shivamogga

CERTIFICATE

This is to certify that the project work report entitled "FOUR COMPONENT SYNTHESIS OF DIHYDROPYRANO [2,3-C] PYRAZOLE DIRIVATIVES BY USING LEMON JUICE AS A GREEN CATALYST" is carried out by UDAYAKUMARA. L submitted for the partial fulfillment of academic curriculum of M.Sc IV semester, Chemistry, under the guidance of Dr. Prabhakar Chavan, Assistant Professor, Department of Chemistry, Sahyadri Science College.

Signature

Research Guide

Dr. Prabhakar Chavan

Co-ordinator

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Assistant Professor & Co-ordinator Dept. of PG Studies & Research in Chemistry Sahyadri Science College Kuvempu University, Shivamogga-577203



CERTIFICATE

This is to certify that the project work report entitled "FOUR COMPONENT SYNTHESIS OF DIHYDROPYRANO [2,3-C] PYRAZOLE DIRIVATIVES BY USING LEMON JUICE AS A GREEN CATALYST" is carried out by MANJUNATHA T submitted for the partial fulfillment of academic curriculum of M.Sc IV semester, Chemistry, under the guidance of Dr. Prabhakar Chavan, Assistant Professor, Department of Chemistry, Sahyadri Science College.

Signature

Research Guide

Dr. Prabhakar Chavan

Dr. Prabhakar Chavan

M.Sc., M.Phil., Ph.D.

Assistant Professor & Co-ordinator Dept. of PG Studies & Research in Chemistry Sahyadri Science College Kuvempu University, Shivamogga-577203

SAHYADRI SCIENCE COLLEGE



CERTIFICATE

This is to certify that the Project report entitled "DESIGN,SYNTHESIS AND BIOLOGICAL EVALUATION OF DENSELY SUBSTITUTED DIHYDROPYRANO[2,3-C]PYRAZOLE ,VIA. MULTICOMPONENT APPROCH" is carried out by **SUMATI GANAPATI NAIK** submitted for the partial fulfilment of academic curriculum of **M.Sc. IV semester Chemistry** under the guidance of **Dr. PRABHAKAR CHAVAN** Assistant Professor, Department of Chemistry Sahyadri Science College, Shivamogga.

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Signature

Research Guide

Coordinator

Dr. Prabhakar Chavan

M.Sc., M.Phil., Ph.D.

Assistant Professor & Co-ordinator

Dept. of PG Studies & Research in Chemistry

Sahyadri Science College

Sahyadri Science College Kuvempu University, Shivamogga-577203



CERTIFICATE

project work report entitled This is certify that the BIOLOGICAL INVESTIGATIONS **CHARACTERIZATION** AND OXOQUINOLIN-3-YL)-2-OXOPYRIMIDINE-5-CARBOXYLATE DERIVATIVES" is carried out by SANJAYA KUMARA R M submitted for the partial fulfillment of academic curriculum of M.Sc IV semester, Chemistry, under the guidance of Dr. Prabhakar Chavan, Assistant Professor, Department of Chemistry, Sahyadri Science College.

Signature

Research Guide

Dr. Prabhakar Chavan

Dr. Prabhakar Chavan

M.Sc., M.Phil., Ph.D. Assistant Professor & Co-ordinator Dept. of PG Studies & Research in Chemistry Sahyadri Science College Kuvempu University, Shivamogga-577203



CERTIFICATE

This is to certify that the Project report entitled "DESIGN,SYNTHESIS AND BIOLOGICAL EVALUATION OF DENSELY SUBSTITUTED DIHYDROPYRANO[2,3-C]PYRAZOLE ,VIA. MULTICOMPONENT APPROCH" is carried out by **B S SRIDEVI** ubmitted for the partial fulfilment of academic curriculum of **M.Sc. IV semester Chemistry** under the guidance of **Dr. PRABHAKAR CHAVAN** Assistant Professor, Department of Chemistry Sahyadri Science College, Shivamogga.

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Signature

Research Guide

Dr. Prabhakar Chavan

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Assistant Professor & Co-ordinator
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(Constituent College of Kuvempu University) SHIMOGA, Karnataka State.



CERTIFICATE

This is to certify that the Project report entitled "SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL INVESTIGATIONS OF (2-OXOQUINOLIN-3-YL)-2-THIOXOPYRIMIDINE-5-CARBOXYLATE DERIVATIVES" is carried out by ANJALI A submitted for the partial fulfilment of academic curriculum of M.Sc. IV semester Chemistry under the guidance of Dr. PRABHAKAR CHAVAN Assistant Professor, Department of Chemistry Sahyadri Science College, Shivamogga.

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Signature

Research Guide

Coordinator

Dr. Prabhakar Chavan

M.Sc., M.Phil., Ph.D.

Assistant Professor & Co-ordinator

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L of PG Studies & Research College

Sahyadri Science College
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CERTIFICATE

This certify that the Project report entitled "SYNTHESIS, CHARACTERIZATION AND APPLICATION **OF** COPPER **OXIDE** NANOPARTICLES" is carried out by PRASHANTH C Submitted for the partial fulfilment of academic curriculum of M.Sc. IV semester Chemistry under the guidance of Dr. DEEPA K, Guest Lecturer, Assistant Professor, Department of Chemistry Sahyadri Science College, Shivamogga.

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Signature

Research Guide

Dr. Prabhakar Chavan

M.Sc., M.Phil., Ph.D.

Assistant Professor & Co-ordinator Dept. of PG Studies & Research in Chemistry Sahyadri Science College

Kuvempu University, Shivamogga-577203



CERTIFICATE

This is to certify that the Project report entitled "Green synthesis of zinc oxide nanoparticles from Eucalyptus globulus leaves extract and their characterisation" is carried out by Nagashree B H submitted for the partial fulfilment of academic curriculum of MSc IV semester Chemistry under the guidance of Dr Harisha K V ,Guest Lecturer ,Department of Chemistry Sahyadri Science College, Shivamogga - 577203

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Halsh Signature

Research Guide

Coordinator

Dr. Prabhakar Chavan

M.Sc., M.Phil., Ph.D.
Assistant Professor & Co-ordinator
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vempu University, Shivamogga-577203

SAAYADRI SCIENCE COLLEGE

SAAYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University)

SHIMOGA, Karnataka State.



CERTIFICATE

This is to certify that the Project report entitled "Corrosion inhibition effect of oleic acid and steric acid on mild steel in saline water" is carried out by Sahana S submitted for the partial fulfilment of academic curriculum of MSc IV semester Chemistry under the guidance of Dr. Pavithra M K, Guest Lecturer Department of Chemistry Sahyadri Science College, Shivamogga -577203

I further declare that this Dissertation or any part of it as not be submitted else where for any other department or diploma to any other University or Institute.

Signature

Research Guide

Dr. Prabhakar Chavan

M.Sc., M.Phil., Ph.D.

Assistant Professor & Co-ordinator Dept. of PG Studies & Research in Chemistry Sahyadri Science College

Kuvempu University, Shivamogga-577203

PRINCIPAL SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University) SHIMOGA, Karnataka State.



CERTIFICATE

This is to certify that the project work entitled "Conversion of Areca husk into organic fertilizer through degradation process" is carried out by Arpitha S(P06CS22S13008) under the guidance of Dr. Nagaraja N Associate professor, Department of Post Graduate studies in Physics, Sahyadri science college, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in Master of Science in Physics as per the Kuvempu University regulations during the year 2023 - 2024.

Co-ordinator N-83 Dr.Nagaraja N

Associate Professor and PG coordinator Department of PG Studies in Physics Sahyadri science college, Shivamogga.

Guide

Dr. Nagaraja N

Associate Professor and PG coordinator Department of PG Studies in Physics Sahyadri science college, Shivamogga

EXAMINERS:

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SAHYADRI SCIENCE COLLEGE (Constituent College of Kuyamay in the	

Place: Shivamogga.

Date:

ge of Kuvempu University) SHIVAMOGGA., Karnataka State.



CERTIFICATE

This is to certify that the project work entitled "Conversion of Areca husk into organic fertilizer through degradation process" is carried out by Sankalpa K(P06CS22S13006) under the guidance of Dr.Nagaraja N Associate professor, Department of Post Graduate studies in Physics, Sahyadri science college, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in Master of Science in Physics as per the Kuvempu University

regulations during the year 2023 - 2024. Co-ordinator Guide Dr.Nagaraja N ' Associate Professor and PG coordinator Associate Professor and PG coordinator Department of PG Studies in Physics Department of PG Studies in Physics

EXAMINERS:

Sahyadri science college, Shivamogga.

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Sahyadri science college, Shivamogga

Place: Shivamogga.

Date:



UNIVERSITY

Department of PG Studies in Physics Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the project work entitled "Agro waste derived biosorbent for water treatment" is carried out by Chandana T S(P06CS22S13005) under the guidance of Dr.Nagaraja N Associate professor, Department of Post Graduate studies in Physics, Sahyadri science college, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in Master of Science in Physics as per the Kuvempu University regulations during the year 2023 – 2024.

PG Co-ordinator

Dr.Nagaraja N

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Associate Professor and PG coordinator Department of PG Studies in Physics Sahyadri science college, Shivamogga. Guide

Associate Professor and PG coordinator Department of PG Studies in Physics Sahyadri science college, Shivamogga

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SAI	YADRI SCIENCE COLLEGE	
(Constitu	ent College of Kuvempu Universi	ity)

SHIVAMOGGA., Karnataka State.

Place: Shivamogga.

Date:



CERTIFICATE

This is to certify that the project work entitled "Agro waste derived biosorbent for water treatment" is carried out by Chandrika H P(P06CS22S13004) under the guidance of Dr.Nagaraja N Associate professor, Department of Post Graduate studies in Physics, Sahyadri science college, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in Master of Science in Physics as per the Kuvempu University regulations during the year 2023 - 2024.

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Dr.Nagaraja N

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EXAMINERS:

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SHIVAMOGGA., Karnataka State.

Date:

Place: Shivamogga.



CERTIFICATE

This is to certify that the project work entitled "PREPARATION AND STRUCTURAL STUDIES OF TiO₂ DOPED POLYANILINE" is carried out by KAREEM SHAVALI P H (Reg no: PO6CS22S103007) under the guidance of DR.SUBRAMANYA K, Assistant Professor, Department of Post Graduate studies in Physics, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in Master of Science in Physics as per the Kuvempu University regulations during the year 2023 – 2024.

PG Co-ordinator

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Associate Professor and PG coordinator Department of PG Studies in Physics Sahyadri Science College, Shivamogga. Guide DR. SURAMANYA K

Assistant Professor and Research Guide Department of PG Studies in Physics Sahyadri Science College, Shivamogga

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CERTIFICATE

This is to certify that the project work entitled "SYNTHESIS AND CHARACTERISATION OF POLYANILINE/TITANIUM OXIDE NANOCOMPOSITES" is carried out by SUMANTH KOPPADAR M (Reg no: P06CS22S103002) under the guidance of DR.SUBRAMANYA K, Assistant Professor, Department of Post Graduate studies in Physics, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in Master of Science in Physics as per the Kuvempu University regulations during the year 2023 – 2024.

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Associate Professor and PG coordinator Department of PG Studies in Physics Sahyadri Science College, Shivamogga. Guide

DR. SURAMANYA K

Assistant Professor and Research Guide Department of PG Studies in Physics Sahyadri Science College, Shivamogga

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(Const	SAHYADRI SCIENCE COLLEGE tituent College of Kuvempu Univer	rsity)	

<u>SHIMOGA, Karnataka State.</u>



CERTIFICATE

This is to certify that the project work entitled "SYNTHESIS AND CHARACTERISATION OF POLYANILINE DOPED WITH TiO2" is carried out by NOUSHIN TAJ (Reg no: P06CS22S103001) under the guidance of DR.SUBRAMANYA K, Assistant Professor, Department of Post Graduate studies in Physics, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in Master of Science in Physics as per the Kuvempu University regulations during the year 2023 – 2024.

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Associate Professor and PG coordinator Department of PG Studies in Physics Sahyadri Science College, Shivamogga. S. SURAMANYA K

Assistant Professor and Research Guide Department of PG Studies in Physics Sahyadri Science College, Shivamogga

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(Constituent College of Kuvempu University) SHIMOGA, Karnataka State.



CERTIFICATE

This is to certify that the project work entitled "STRUCTURAL AND OPTICAL PROPERTIES OF TiO₂ DOPED POLYANILINE" is carried out by CHAITHRA S M (Reg no: P06CS22S103009) under the guidance of DR.SUBRAMANYA K, Assistant Professor, Department of Post Graduate studies in Physics, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in Master of Science in Physics as per the Kuvempu University regulations during the year 2023 – 2024.

PG Co-ordinator
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riace . Silivaniogga.	. /		
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This is to certify that the Project report "THE STUDIES ON MILK PROCESSING AND DIFFERENT METHODS FOR ANALYSIS" carried out by Students of Gouramma, Yashaswini J, Rachana D A, Amrutha N IV semester MSc Industrial Chemistry under the guidance Dr Prabhakar chavan Assistant professor Department of Chemistry Sahyadri Science College Shivamogga for the partial fulfilment of requirement for the award of the Master of Science in Industrial Chemistry in Sahyadri Science College, Shivamogga during the year 2023-24.

Cooreina torensiman Dr'Amitha C Rao College Associate Professor Department of Industrial Chemistry

Sahyadri Science College

Shivamogga

Guide

Dr Prabhakar chavan

Assistant professor Department of Chemistry Sahyadri Science College Shivamogga



This is to certify that the Project report entitled "PRODUCTION OF BIODIESEL FROM PONGAMIA PINNATA" carried out by Students of. Jayanth KR, Soujanya BC, Bhoomika HC, Chaya Gouda IV semester MSc Industrial Chemistry under the guidance of Dr SHREEKANTA S A Assistant Professor, Department of Chemistry Sahyadri Science College Shivamogga for the partial fulfilment of requirement for the award of the Master of Science in Industrial Chemistry in Sahyadri Science College, Shivamogga during the year 2023-24

Chardinator Chairman Chemistry

Dr Ahithæ Ciegor & Research in Chemistry

Associated Bestivery & Research in Content Associate Professory Department of Industrial Chemistry

Sahyadri Science College

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Dr SHREEKANTA S A Assistant Professor

Department of Chemistry Sahyadri Science College

Shivamogga



This is to certify that the Project report "STUDY ON THE QUALITY CONTROL MANAGEMENT IN PHARMACEUTICAL INDUSTRY" carried out by Students of Subhashini G V, Teertha Naik T, IV semester MSc Industrial Chemistry under the guidance Dr. Sathisha A Lecturer, Department of Industrial Chemistry Sahyadri Science College Shivamogga for the partial fulfilment of requirement for the award of the Master of Science in Industrial Chemistry in Sahyadri Science College, Shivamogga during the year 2023-24

Associate Professor

Perperature of industrial Chemistry

Sahyadri Science College

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Dr. Sathisha A
Lecturer
Department of Industrial Chemistry
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This is to certify that the Project report "THE STUDY ON MANUFACTURE OF PULP & VISCOSE STAPLE FIBRE (VSF)" carried out by Students of Ranjitha M, Shwetha K IV semester MSc Industrial Chemistry under the guidance Dr Ashoka. N B Lecturer, Department of Industrial Chemistry Sahyadri Science College Shivamogga for the partial fulfilment of requirement for the award of the Master of Science in Industrial Chemistry in Sahyadri Science College, Shivamogga during the year 2023-24.

Coordinator Chamber Chamber Sahyadri Science College

Shivamogga

Project Guide Dr Ashoka. N B

Lecturer
Department of Industrial Chemistry
Sahyadri Science College

Shivamogga



This is to certify that the Project report entitled "A STUDY ON INVESTIGATING THE INFLUENCE OF PHARMACEUTICAL DRUGS AS CORROSION INHIBITORS" carried out by Students Akhila B, Preethi of IV semester MSc Industrial Chemistry under the guidance of. Dr Padmini T R Lecturer, Department of Industrial Chemistry Sahyadri Science College Shivamogga for the partial fulfilment of requirement for the award of the Master of Science in Industrial Chemistry in Sahyadri Science College, Shivamogga during the year 2023-24

Associate Professor Department of Industrial Chemistry Sahyadri Science College

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Project Guide

Dr Padmini T R

Lecturer

Department of Chemistry Sahyadri Science College Shivamogga



This is to certify that the Project report "Synthesis and Application of rGO-V₂O₃-TiO₂ Nanocomposite in Energy Storage and Latent Fingerprint detection" carried out by Students of Karthik R, Nikhil S ,IV semester MSe Industrial Chemistry under the guidance Dr. Anitha C Rao Associate Professor, Department of Industrial Chemistry Sahyadri Science College Shivamogga for the partial fulfilment of requirement for the award of the Master of Science in Industrial Chemistry in Sahyadri Science College, Shivamogga during the year 2023-24

Dr Anithme Rae

Associate Professor Department of Industrial Chemistry Sahyadri Science College Shivamogga

Dr. Anitha C Rao Associate Professor

Department of Industrial Chemistry Sahyadri Science College Shivamogga

(Constituent College of Kusempu Universal) SHIMOGA, Karnataka State.



This is to certify that the Project report entitled "Synthesis and Characterization of Ni₃V₂O₈ NPs Via Green Fuel Combustion for Efficient Photocatalytic Dye Degradation Applications" carried out by Students of **Kavya J, Priyanka S,** IV semester MSc Industrial Chemistry under the guidance of **Dr. Yuvaraj T C** M professor, Department of Industrial Chemistry Sahyadri Science College Shivamogga for the partial fulfilment of requirement for the award of the Master of Science in Industrial Chemistry in Sahyadri Science College, Shivamogga during the year 2023-24

Coordinator

Dr Anitha C Rao

Associate Professor Department of Industrial Chemistry Sahyadri Science College Shivamogga **Project Guide** Dr. Yuvaraj T C M

Professor

Department of Industrial Chemistry Sahyadri Science College Shivamogga

SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University)

SHIMOGA, Karnataka State.



This is to certify that the Project report "Synthesis, Characterization of Metal (II) acetate complexes of Azo dyes with 4-[(4-aminophenyl)diazenyl]-3-methyl-1-phenyl- 1H pyrazol-5-ol" carried out by Students of Thimmanagowda DM, Akshay K ,Srinivas M Agaradalli ,Pallavi D P IV semester MSc Industrial Chemistry under the guidance Dr. Vittal Rao K S, Associate Professor Department of Industrial Chemistry Sahyadri Science College Shivamogga for the partial fulfilment of requirement for the award of the Master of Science in Industrial Chemistry in Sahyadri Science College, Shivamogga during the year 2023-24.

Dr Anitha C Rao

Associate Professor

Department of Industrial Chemistry

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Project

Dr. Vittal Rao'K S

Associate Professor

Department of Industrial Chemistry

Sahyadri Science College

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SAHYAURI SCIENCE COLLEGE

(Constituent College of Kuvempu University) SHIMOGA, Karnataka State.



This is to certify that the Project report "Synthesis and Characterization Of Zn3V2O8 NPs Via Combustion Utilizing Calophyllum Seed Powder as Biofuel for Photocatalytic Dye Degradation Applications" carried out by Students of Megha T B, Ashrita Swamy IV semester MSc Industrial Chemistry under the guidance of Dr. Yuvaraj T C M professor, Department of Industrial Chemistry Sahyadri Science College Shivamogga for the partial fulfilment of requirement for the award of the Master of Science in Industrial Chemistry in Sahyadri Science College, Shivamogga during the year 2023-24

Dr Ainthrese Rangesearch in Chemistry Associate Professor Department of Industrial Chemistry

Sahyadri Science College

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Project Guide Dr. Yuvaraj T C M

Professor

Department of Industrial Chemistry Sahyadri Science College

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This is to certify that the Project report "Synthesis and characterization of nano particles using egg shell" carried out by Students of Bhoomika L.P, Arjun K B . IV semester MSc Industrial Chemistry under the guidance Dr.Jithendra Kumar Lecturer, Department of Industrial Chemistry Sahyadri Science College Shivamogga for the partial fulfilment of requirement for the award of the Master of Science in Industrial Chemistry in Sahyadri Science College, Shivamogga during the year 2023-24.

Coordinator Dr Anitha C Rao

Associate Professor Department of Industrial Chemistry Sahyadri Science College

Shivamogga

Project Guide

Dr.Jithendra Kumar

Lecturer

Department of Industrial Chemistry Sahyadri Science College

Shivamogga



This is to certify that the Project report entitled "A study on investigating the bark of *Adenanthera pavonina* as eco-friendly corrosion inhibitor of mild steel in acidic media." carried out by Students of **Sahana S M,Shwetha M,Sanjana J S,Nischitha B K** IV semester MSc Industrial Chemistry under the guidance of **Dr. K. P Latha** Professor and Chairman, Department of Industrial Chemistry Sahyadri Science College Shivamogga for the partial fulfilment of requirement for the award of the Master of Science in Industrial Chemistry in Sahyadri Science College, Shivamogga during the year 2023-24

Coordinator

Associate Professor

Department of Industrial Chemistry

Sahyadri Science College

Shivamogga

Project Guide

Dr. K. P Latha

Professor and Chairman Department of Industrial Chemistry Sahyadri Science College

Shivamogga



A PROJECT ON

"Investigation on Transition metal complexes derived 4-[(2E)-3-(6-nitro-1,3-benzothiazol-2-yl)triaz-2-en-1-yl]benzoic acid; structural characterization and Anthelmentic activity"

Submitted to Kuvempu University in partial fulfillment of requirement for the award of degree in

MASTER OF SCIENCE IN INDUSTRIAL CHEMISTRY

Submitted by

Ms. Bhavyashree M T P06CS22S086009

Ms. Shalini N V P06CS22S086010

Ms. Nikitha V N P06CS22S086011

Ms. Kavyashree K Y P06CS22S086012

Submitted to:

Department of P.G.Studies & Research in Industrial Chemistry Sahyadri Science College, Shivamogga

Under the Guidance of

G Krishnamurthi

Professor

P.G. Department of Industrial Chemistry Sahyadri Science College, Shivamogga

2023-24



This is to certify that the Project report entitled "Investigation on Transition metal complexes derived 4-[(2E)-3-(6-nitro-1,3-benzothiazol-2-yl)triaz-2en-1-yl]benzoic acid; structural characterization and Anthelmentic activity" carried out by Students of Bhavyashree M T, Shalini N V, Nikitha V N, Kavyashree KY IV semester MSc Industrial Chemistry under the guidance of G Krishnamurthi Professor, Department of Industrial Chemistry Sahyadri Science College Shivamogga for the partial fulfilment of requirement for the award of the Master of Science in Industrial Chemistry in Sahyadri Science College, Shivamogga during the year 2023-24

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Associates Disciplification Openartment of Industrial Chemistry

Sahyadri Science College Shivamogga

oject Guide G Krishnamurthi

Professor

Department of Industrial Chemistry Sahyadri Science College

Shivamogga



This is to certify that the Project report "Preparation of Aluminium phosphide and its characterization" carried out by Students of Pooja M B, Pooja H ,IV semester MSc Industrial Chemistry under the guidance Dr. Vinod B M, Lecturer Department of Industrial Chemistry Sahyadri Science College Shivamogga for the partial fulfilment of requirement for the award of the Master of Science in Industrial Chemistry in Sahyadri Science College, Shivamogga during the year 2023-24

Coordinator Latha M.Sc., E.HD.,
Dr Anithappiessor & Chairman
Dr Anithappiessor & Research in Chemistry
Assurant College College Associate Professory Department of Industrial Chemistry Sahyadri Science College Shivamogga

Dr. Vinod B M, Lecturer Department of Industrial Chemistry Sahyadri Science College

Shivamogga

Project Guide



This is to certify that the Project report "Synthesis and Application of gC₃N₄-Bi₂MoO₆ Nanocomposite in Energy Storage and Latent Fingerprint detection" carried out by Students of Gopala H V, Manjunath D P, IV semester MSc Industrial Chemistry under the guidance Dr. Anitha C Rao Associate Professor, Department of Industrial Chemistry Sahyadri Science College Shivamogga for the partial fulfilment of requirement for the award of the Master of Science in Industrial Chemistry in Sahyadri Science College, Shivamogga during the year 2023-24

Kinnan, Chewisty Associate Rrotesson Department of Industrial Chemistry

Sahyadri Science College

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Guide

Dr. Anitha C Rao

Associate Professor Department of Industrial Chemistry Sahyadri Science College Shivamogga



This is to certify that the Project report "Synthesis, characterisation and metal(II) complexes of 5-[(4-aminophenyl)diazenyl]-1,3, diazinane-2,4,6-trione" carried out by Students of Sahana K.P, Vinoda S.C., Malik Reehan, Bindu G.T IV semester MSc Industrial Chemistry under the guidance **Dr. Vittal Rao K S**, Associate Professor Department of Industrial Chemistry Sahyadri Science College Shivamogga for the partial fulfilment of requirement for the award of the Master of Science in Industrial Chemistry in Sahyadri Science College, Shivamogga during the year 2023-24.

Coordinator
Dr Anitha C Rao

Associate Professor
Department of Industrial Chemistry
Sahyadri Science College
Shivamogga

Project Guide

Dr. Vittal Rao K S

Associate Professor Department of Industrial Chemistry Sahyadri Science College Shivamogga



CERTIFICATE

This is to certify that the research project entitled "Screening of Wild edible fruits for Immunomodulatory Lectins" has carried out by Mr. Suman B H (P06CS22S027004) M.Sc. IV Semester, under the guidance of Dr. Prabhakar B T, Associate Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

Guide

(Dr. Prabhakar B T)

PG Coordinator

Dr. Pradeepa K. M.Sc., Ph.D., (Dr. Pradeepa K.)

Dept. of P.G. Studies & Research in Biotechnology Sahyadri Science College

Kuvempu University, Shivamogga-577 203.

PRINCIPAL

SAHYADŔI SCIENCE COLLEGE (Constituent College of Kuvempu University) SHIMOGA, Karnataka State.

Date:

Place:



CERTIFICATE

This is to certify that the research project entitled "Screening of Wild edible fruits for Immunomodulatory Lectins" has carried out by Mr. Ramchandra G Bhattangi (P06CS22S027012) M.Sc. IV Semester, under the guidance of Dr. Prabhakar B T, Associate Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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CERTIFICATE

This is to certify that the research project entitled "Screening of Wild edible fruits for Immunomodulatory Lectins" has carried out by Ms. Nisarga T V (P06CS22S027020) M.Sc. IV Semester, under the guidance of Dr. Prabhakar B T, Associate Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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This is to certify that the research project entitled "Screening of Wild edible fruits for Immunomodulatory Lectins" has carried out by Mr. Ranjith Gowda S N (P06CS22S027032) M.Sc. IV Semester, under the guidance of Dr. Prabhakar B T, Associate Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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This is to certify that the research project entitled "Screening of Wild edible fruits for Immunomodulatory Lectins" has carried out by Ms. Ashwini L T (P06CS22S027037) M.Sc. IV Semester, under the guidance of Dr. Prabhakar B T, Associate Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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CERTIFICATE

This is to certify that the research project entitled "Phytochemical Analysis and Invitro Evaluation, Biological Activities of Punica granatum. L seed methanol and aqueous Extracts" has carried out by Ms. Preeti N S (P06CS22S027029) M.Sc. IV Semester, under the guidance of Dr. Syed Murthuza, Lecturer Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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This is to certify that the research project entitled "Phytochemical Analysis and Invitro Evaluation Biological Activities of Punica granatum. L seed methanol and aqueous Extracts" has carried out by Ms. Keerthana E P (P06CS22S027013) M.Sc. IV Semester, under the guidance of Dr. Syed Murthuza, Lecturer Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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This is to certify that the research project entitled "Phytochemical Analysis and Invitro Evaluation Biological Activities of Punica granatum. L seed methanol and aqueous Extracts" has carried out by Ms. Rohini K U (P06CS22S027034) M.Sc. IV Semester, under the guidance of Dr. Syed Murthuza, Lecturer Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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CERTIFICATE

This is to certify that the research project entitled "Evaluation of phytochemical analysis, invitro antioxidant, anti-inflammatory and antimicrobial activity of Randia dumetorum seed and seed coat extraction" has carried out by Sanjay H B (P06CS22S027019.) M.Sc. IV Semester, under the guidance of Dr. Syed Murthuza Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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This is to certify that the research project entitled "Evaluation of phytochemical analysis, invitro antioxidant, anti-inflammatory and antimicrobial activity of Randia dumetorum seed and seed coat extraction" has carried out by Ranjan M S (P06CS22S027016.) M.Sc. IV Semester, under the guidance of Dr. Syed Murthuza Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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This is to certify that the research project entitled "Evaluation of phytochemical analysis, invitro antioxidant, anti-inflammatory and antimicrobial activity of Randia dumetorum seed and seed coat extract "" has carried out by SNEHA B NALAWALAD (P06CS22S027005.) M.Sc. IV Semester, under the guidance of Dr. Syed Murthuza Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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This is to certify that the research project entitled "Unveiling the Phytochemicals and Biological Potentials Malphigia emarginata DC. Seeds Extract" has carried out by SHRAVYA K L (P06CS22S027025) M.Sc. IV Semester, under the guidance of Mrs.ASHA S K Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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This is to certify that the research project entitled "Unveiling the Phytochemicals and Biological Potentials Malphigia emarginata DC. Seeds Extract" has carried out by SANIYA BANU (P06CS22S027018) M.Sc. IV Semester, under the guidance of Mrs.ASHA S K Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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This is to certify that the research project entitled "Unveiling the Phytochemicals and Biological Potentials Malphigia emarginata DC. Seeds Extract" has carried out by AISHWARYA B (P06CS22S027030) M.Sc. IV Semester, under the guidance of Mrs.ASHA S K Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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This is to certify that the research project entitled "Investigating the Phytochemistry And Biological Properties Of Ethanolic Extract Of Malphigia emarginata DC. Seeds" has carried out by ANUSHA H T (P06CS22S027022) M.Sc. IV Semester, under the guidance of Ms. Nethravathi A M, Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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This is to certify that the research project entitled "Investigating the Phytochemistry And Biological Properties Of Ethanolic Extract Of Malphigia emarginata DC. Seeds" has carried out by KEERTHANA H P (P06CS22S027010) M.Sc. IV Semester, under the guidance of Ms. Nethravathi A M ,Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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CERTIFICATE

This is to certify that the research project entitled "Antioxidants, antimicrobial and phytochemical analysis of Pomegranate peel extract" has carried out by Kavya K (P06CS22S027027) M.Sc. IV Semester, under the guidance of Dr. Pradeepa K Assistant Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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This is to certify that the research project entitled "Phytochemical and Pharmacological study on root extract of Pandanus Odorifer" has carried out by NAGARAJA H K. (P06CS22S027021) M.Sc. IV Semester, under the guidance of Dr. Pradeepa K Assistant Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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CERTIFICATE

This is to certify that the research project entitled "Phytochemical and Pharmacological study on extract of Barringtonia Fruit acutangula" has carried out by SRUSTI R (P06CS22S027008) M.Sc. IV Semester, under the guidance of Dr. Pradeepa K Assistant Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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This is to certify that the research project entitled "Phytochemical and Pharmacological study on Fruit extract of Barringtonia acutangula" has carried out by LOKESH R (P06CS22S027024) M.Sc. IV Semester, under the guidance of Dr. Pradeepa K Assistant Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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This is to certify that the research project entitled "Phytochemical and Pharmacological study on Fruit extract of Barringtonia acutangula" has carried out by TEJU B T (P06CS22S027033) M.Sc. IV Semester, under the guidance of Dr. Pradeepa K Assistant Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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This is to certify that the research project entitled "Phytochemical and Pharmacological study on Leaf extract of Breynia vitis- Idaea" has carried out by SHASHANK T (P06CS22S027035) M.Sc. IV Semester, under the guidance of Dr. Pradeepa K Assistant Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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CERTIFICATE

This is to certify that the research project entitled "Phytochemical and Pharmacological study on Leaf extract of Breynia vitis- Idaea" has carried out by ANIL KUMAR J Y (P06CS22S027036) M.Sc. IV Semester, under the guidance of Dr. Pradeepa K Assistant Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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This is to certify that the research project entitled "Phytochemical and Pharmacological study on Leaf extract of Pandanus Odorifer" has carried out by AISHWARYA B L (P06CS22S027017) M.Sc. IV Semester, under the guidance of Dr. Pradeepa K Assistant Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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This is to certify that the research project entitled "Phytochemical and Pharmacological study on Leaf extract of Pandanus Odorifer" has carried out by SHREYA M S (P06CS22S027011) M.Sc. IV Semester, under the guidance of Dr. Pradeepa K Assistant Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, towards the partial fulfillment of the requirements for the award of Degree of Master of Science in Biotechnology by the Kuvempu University during the year 2023-24.

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