

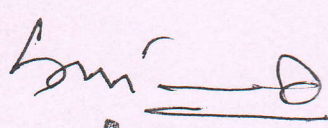
**Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD.**



**CERTIFICATE**

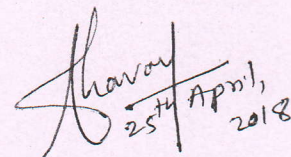
This is certified that the Project entitled "Synthesis of 2,3-disubstituted-4-thiazolidinones" being submitted by **Mr. Akshay D. Bhalerao** for admittance to the degree of "Master of Science in Analytical Chemistry" from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.) India. Entire research work has been carried out under my guidance and supervision.

Seat No.: CHAD004001

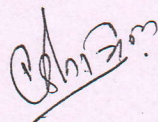
  
**Dr. Babasaheb Ambedkar**  
Professor and Head  
Department of Chemistry  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad



Examiner

  
25<sup>th</sup> April, 2018

**Mrs. A. S. Chavan**  
(Project Guide)



Department of Chemistry

Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD.



**CERTIFICATE**

This is to certify that Project entitled as Synthesis of metal doped polyaniline nanomaterials and bimetallic decorated Graphene oxide nanocomposite characterization and electrochemical study

Submitted by *Mr. Arun Vitthal Bhombe* of class **M.Sc. Part-II (Analytical Chemistry)** has satisfactorily completed the short term project report in M. Sc. Analytical Chemistry degree of Dr. Babasaheb Ambedkar Marathwada University Aurangabad.

Year: - 2017-18

Roll No: - 02

Exam Seat No: - CHAD004002

Dr. Bhaskar R. Sathe  
Project Guide

Examiner

Prof. Capt. Dr. S. T. Gaikwad  
Head of Department  
Professor & Head  
Department of Chemistry  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (2017-2018)

Department of Chemistry



CERTIFICATE

This is to certify that Project entitled "Synthesis of Graphene based silver nano Particle & its composites" Submitted by Mr. Prakash Gokul Bhosale of class *M.Sc. Part-II (Analytical Chemistry)* has satisfactorily completed the short term project report in M.Sc. *Analytical Chemistry* degree of university of Aurangabad.

Year- 2017-2018

Roll No:-04

Exam Seat No: CHAD004003

Dr. Bhaskar R. Sathe

**Project Guide**

Dr. S.T. Gaikwad

**Head of Department Examiner**

Professor & Head  
Dept. of Chemistry  
Dr. Babasaheb Ambedkar  
Marathwada University,  
Aurangabad-431004.

Dr. BABASAHEB AMBEDKAR MARATHWADA  
UNIVERSITY, AURANGABAD.

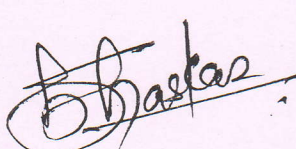



CERTIFICATE

This is certified that the Project entitled “Carbon Based Composite Nano Materials For Electrochemical Hydrogen Generation Reactions” being submitted by Mr. Amar B. Chavan for admittance to the degree of “Master of Science in Chemistry” from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.) India. Entire research work has been carried out under my guidance and supervision.

Seat No :- CHAD004005

Date :- 26/04/2018

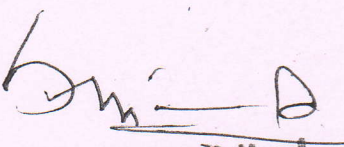
  


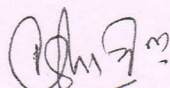
Dr. Bhaskar R. Sathe

External

Project Guide

Examiner

  
Professor & Head  
Department of Chemistry  
Dr. Babasaheb Ambedkar Marathwada University,  
Aurangabad  
Head of Department



**Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD.**



**CERTIFICATE**

This is certified that the Project entitled "Synthesis of New 4-Aryl-2-(pyridin-3-yl)thiazoles" being submitted by **Mr. Abhiraj A. Deshmukh** for admittance to the degree of "Master of Science in Analytical Chemistry" from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.) India. Entire research work has been carried out under my guidance and supervision.

Seat No.: CHAD004006

**Capt. Dr. S. T. Gaikwad** Professor & Head Examiner  
(Professor and Head) Department of Chemistry  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad

**Mrs. A. S. Chavan**  
(Project Guide)

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (2017-2018)

Department of Chemistry



### CERTIFICATE

This is to certify that Project entitled as "SYNTHESIS OF METAL FREE CARBON BASED SYSTEM USED FOR ELECTROCHEMICAL CO<sub>2</sub> REDUCTION" Submitted by Mr. Dhawale Somnath Chandrakant of class M.Sc. Part-II (Analytical Chemistry) has satisfactorily completed the short term project report in M. Sc. Analytical Chemistry degree of university of Aurangabad.

Year- 2017-2018

Roll No: - 07

Exam Seat No: CHAD004007

Dr. Bhaskar R. Sathe  
(Project Guide)  
Assistant Professor,  
Dr. BAMU, Aurangabad.

Professor & Head  
Dr. S. T. Gaikwad  
Department of Chemistry  
(Professor & HOD)  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad.  
Dept. Of Chemistry,  
Dr. BAMU, Aurangabad.

Examiner

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (2017-2018)

Department of Chemistry



CERTIFICATE

This is to certify that Project entitled as Submitted by *Fartade Somnath Gorakh* class of M.Sc. Part-II (Analytical chemistry) has sa "Electrochemical Reduction of Carbon Dioxide Using Copper Nanoparticles: Effect of Capping Agent" satisfactorily completed the short term project report in M. Sc. Analytical Chemistry degree of university of Aurangabad.

Year- 2017-2018

Roll No:-08

Exam Seat No: CHAD004008

Dr. Bhaskar R. Sathe

Project Guide

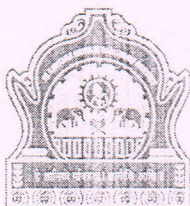
Dr. S. T. Gaikwad

Examiner

Head of Department

Professor & Head  
Department of Chemistry  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad

**Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD.**



**CERTIFICATE**

This is certified that the Project entitled "Synthesis of 3-(4-Fluorophenyl)-2-phenylthiazolidin-4-one derivatives" being submitted by Miss. Ujwala U. Jadhav for admittance to the degree of "Master of Science in Analytical Chemistry" from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.) India. Entire research work has been carried out under my guidance and supervision.

Seat No.:CHAD004009

**Capt. Dr. S. T. Gaikwad**  
(Professor and Head)

**Examiner**

**Mrs. A. S. Chavan**  
(Project Guide)

**Professor & Head**  
**Department of Chemistry**  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad



**Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD.**



**CERTIFICATE**

This is certified that the Project entitled, "Synthesis of New 2-((5-(4-Methoxyphenyl)-1,3,4-oxadiazol-2-yl)thio)-1-arylethanones" being submitted by **Mr. Mahesh R. Jire** for admittance to the degree of "Master of Science in Analytical Chemistry" from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.) India. Entire research work has been carried out under my guidance and supervision.

Seat No.: CHAD004010

**Capt. Dr. S. T. Gaikwad**  
(Professor and Head)

**Professor & Head**  
**Department of Chemistry**  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad

**Examiner**

**Mrs. A. S. Chavan**  
(Project Guide)

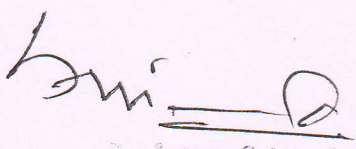
**Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD.**




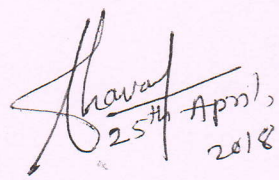
**CERTIFICATE**

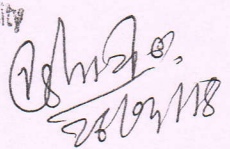
This is certified that the Project entitled "Synthesis of New 2-(4-Chlorophenyl)-5-(((1-aryl-1H-1,2,3-triazol-4-yl)methyl)thio)-1,3,4-oxadiazoles" being submitted by **Mr. Ravi Rameshrao Jire** for admittance to the degree of "Master of Science in Analytical Chemistry" from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.) India. Entire research work has been carried out under my guidance and supervision.

Seat No.:CHAD004011

  
**Capt. Dr. S. T. Gaikwad**  
(Professor and Head)  
Aurangabad

  
**Examiner**

  
**Mrs. A. S. Chavan**  
(Project Guide)  
25<sup>th</sup> April, 2018

  
28/04/18

Department of Chemistry

Dr. BABA SAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD.



**CERTIFICATE**

This is to certify that Project entitled as Heteroatom Doped Graphene Nanocomposite or amine functionalized Graphene oxide nanomaterial Synthesis, characterization and Electrochemical Study Submitted by *Mr. Kharabe Laxman Sarjerao* of class **M.Sc. Part-II (Analytical Chemistry)** has satisfactorily completed the short term project report in M. Sc. Analytical Chemistry degree of Dr. Babasaheb Ambedkar Marathwada University Aurangabad.

Year: - 2017-18

Roll No: - 12

Exam Seat No: - **CHAD004012**

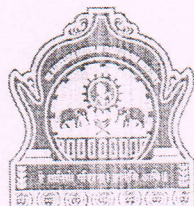
Dr. Bhaskar R. Sathe  
Project Guide

Examiner

Prof. Capt. Dr. S. T. Gaikwad  
Head of Department

Professor & Head  
Department of Chemistry  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad

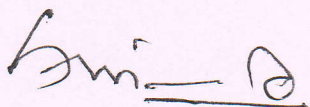
**Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD.**



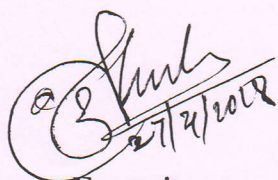
**CERTIFICATE**

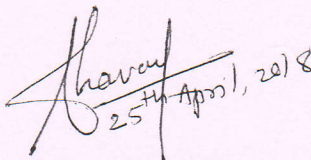
This is certified that the Project entitled "Synthesis of 3-(4-ethoxyphenyl)-2-phenylthiazolidin-4-one derivatives" being submitted by Miss. Aishwarya R. Kharat for admittance to the degree of "Master of Science in Analytical Chemistry" from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.) India. Entire research work has been carried out under my guidance and supervision.

Seat No.: CHAD004013

  
Capt. Dr. S. T. Gaikwad

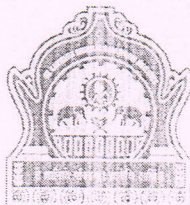
Professor & Head  
(Professor and Head)  
Department of Chemistry  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad

  
Examiner

  
Mrs. A. S. Chavan

(Project Guide)

Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD.



CERTIFICATE

This is certified that the Project entitled "Synthesis of 2-(4-(benzo[d]thiazol-2-yl)phenoxy)-1-phenylethanone derivatives" being submitted by Mr. Vaibhav N. Kulkarni for admittance to the degree of "Master of Science in Analytical Chemistry" from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.) India. Entire research work has been carried out under my guidance and supervision.

Seat No.:CHAD004014

Capt. Dr. S. T. Gaikwad  
(Professor and Head)  
Professor & Head  
Department of Chemistry  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad

Examiner

Mrs. A. S. Chavan  
(Project Guide)

Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD.



## CERTIFICATE

This is to certify that Project entitled as Synthesis of metallic or bimetallic doped graphene oxide nanocomposite characterization and electrochemical study Submitted by *Mr. Linge Kishor Kamlakar* of class **M.Sc. Part-II (Analytical Chemistry)** has satisfactorily completed the short term project report in M. Sc. Analytical Chemistry degree of Dr. Babasaheb Ambedkar Marathwada University Aurangabad.

Year: - 2017-18

Roll No: -15

Exam Seat No: -CHAD004015

Dr. Bhaskar R. Sathe

Project Guide

Examiner

Prof. Capt. Dr. S. T. Gaikwad  
Professor & Head  
Department of Chemistry  
Head of Department  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad

**Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD.**

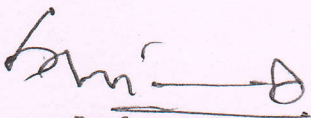


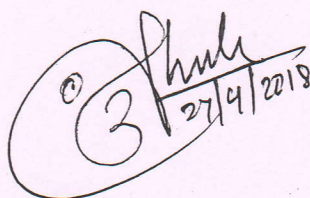
**CERTIFICATE**

This is certified that the Project entitled "Synthesis of New 1-(4-((1-Aryl-1H-1,2,3-triazol-4-yl)methoxy)phenyl)propan-1-ones" being submitted by **Miss. Anuja H. Patki** for admittance to the degree of "Master of Science in Analytical Chemistry" from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.) India. Entire research work has been carried out under my guidance and supervision.

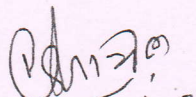
Seat No.:- CHAD004016

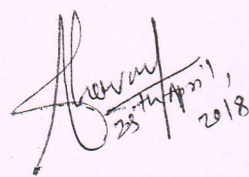
Date: 25/04/2018

  
Professor & Head  
Department of Chemistry  
Dr. Babasaheb Ambedkar Marathwada University  
(Professor and Head)  
Aurangabad

  
27/4/2018

**Examiner**

  
27/02/18

  
25/4/2018  
Mrs. A. S. Chavan  
(Project Guide)

**Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD.**



**CERTIFICATE**

This is certified that the Project entitled "Diisopropylethylammonium acetate mediated rapid synthesis of 2-Arylbenzo[d]thiazoles" being submitted by **Mr. Akshay V. Sapkal** for admittance to the degree of "Master of Science in Analytical Chemistry" from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.) India. Entire research work has been carried out under my guidance and supervision.

Seat No.: CHAD004017

**Capt. Dr. S. T. Gaikwad**  
(Professor and Head)

**Professor & Head**  
Department of Chemistry  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad

**Examiner**

**Mrs. A. S. Chavan**  
(Project Guide)



Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (2017-2018)

Department of Chemistry



CERTIFICATE

This is to certify that Project entitled as "Electrochemical Reduction of CO<sub>2</sub> using ZnO Decorated Carbon Nitrite" Submitted by *Mr. Survase Rahul Shivaji* class of M.Sc. Part-II (Analytical chemistry) has satisfactorily completed the short term project report in M. Sc. Analytical Chemistry degree of university of Aurangabad.

Year- 2017-2018

Roll No: - 18

Exam Seat No: CHAD004018

Dr. Bhaskar R. Sathe

(Project Guide)

Assistant Professor

Dept. of Chemistry,

Dr. BAMU, Aurangabad

Dr. S. T. Gaikwad

(Professor & HOD)

Professor & Head  
Dept. of Chemistry,  
Department of Chemistry,

Dr. Babasaheb Ambedkar Marathwada University  
Dr. BAMU, Aurangabad.

Examiner

Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD.



## CERTIFICATE

This is to certify that Project entitled as "*Synthesis of Activated Carbon form Bio-waste Towards Protection of Environment*" Submitted by *Mr. Tagad Amol Ashok* of class **M.Sc. Part-II (Analytical Chemistry)** has satisfactorily completed the short term project report in M. Sc. Analytical Chemistry degree of Dr. Babasaheb Ambedkar Marathwada, University Aurangabad.

Year: - 2017-18

Roll No:-19

Exam Seat No: - **CHAD004019**

Dr. Bhaskar R. Sathe

Project Guide

Examiner

*Amol Tagad*  
23/04/18

Professor & Head  
Prof. Cap. Dr. S. T. Gaiwad  
Department of Chemistry  
Head of Department  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad

Dr. BABASAHEB AMBEDKAR MARATHWADA  
UNIVERSITY, AURANGABAD.



CERTIFICATE

This is certified that the Project entitled “Synthesis and Characterization of Metal Free Carbon-Nitrogen Based Hetero Structure For Oxygen Evolution Reaction” being submitted by Mr. Akash K. Tapre for admittance to the degree of “Master of Science in Analytical Chemistry” from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.) India. Entire research work has been carried out under my guidance and supervision.

Year- 2017-2018

Exam Seat No: CHAD004020

Dr. Bhasker R. Sathe

Project Guide

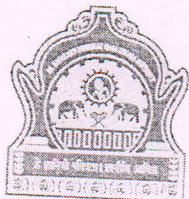
Examiner

22/02/18

Prof. Dr. S. P. Gaikwad  
Department of Chemistry

Head of Department  
Aurangabad

**Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD.**



**CERTIFICATE**

This is certified that the Project entitled, "Synthesis of New 2-((5-(4-Chlorophenyl)-1,3,4-oxadiazol-2-yl)thio)-1-arylethanones" being submitted by **Mr.Sushil G. Wede** for admittance to the degree of "Master of Science in Analytical Chemistry" from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.) India. Entire research work has been carried out under my guidance and supervision.

Seat No.: CHAD004022

**Capt. Dr. S. T. Gaikwad**  
(Professor and Head)

**Examiner**

  
28/04/18  
25th April, 2018

**Mrs. A. S. Chavan**  
(Project Guide)

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (2017-2018)

Department of Chemistry



CERTIFICATE

This is to certify that Project entitled as "SYNTHESIS OF NICKEL OXIDE USED FOR ELECTROCHEMICAL Urea OXIDATION" Submitted by *VISHWEKAR NILESH BABURAO* class of M.Sc. Part-II (Analytical chemistry) has satisfactorily completed the short term project report in M. Sc. Analytical Chemistry degree of university of Aurangabad.

Year- 2017-2018

Roll No:-21

Exam Seat No: CHAD004021

Dr. Bhaskar R. Sathe

Project Guide

Examiner

28/02/18

Dr. S. T. Gaikwad

Professor & Head  
Head of Department

Department of Chemistry  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad