



# ARULMIGU PALANIANDAVAR COLLEGE OF ARTS AND CULTURE

(Reaccredited with "A" Grade by NAAC)

Run by Arulmigu Dhandayuthapani Swamy Thirukkoil, H.R & C.E Dept. Government of Tamilnadu  
A Government Aided College - Affiliated to Madurai Kamaraj University, Madurai  
Dindigul Road, Palani - 624601



## 1.3 CURRICULUM ENRICHMENT - SUPPORTIVE DOCUMENTS

DEPARTMENT : CHEMISTRY

CLASS : II M.SC YEAR : 2017-2018

S.NO.	UNIVERSITY REG. NO.	NAME OF THE STUDENT	NAME OF PROJECT GUIDE	TITLE OF THE PROJECT
1	B6E10701	P,GOMATHI	DR.M.UMAYAVALLI	GREEN SYNTHESIS OF GOLD NANO PARTICLES USING VARIOUS EXTRACTS OF PLANTS & FLOWERS – A REVIEW
2	B6E10702	A.MANGAYARKARASI	DR.M.C.DURAIMANICKAM	PHASE TRANSFER CATALYSTS – A REVIEW
3	B6E10703	M.NAGALAKSHMI	DR.N.VISHNUDHARI	PHYTOCHEMICAL & PHARMACOLOGICAL ANALYSIS OF <i>CASSIA AURICULATE</i> PLANT – A REVIEW
4	B6E10704	N.NANTHEESWARI	DR.N.VISHNUDHARI	IDENTIFICATION OF PHARMACOLOGICAL ACTIVITIES OF <i>CATHARANTHUS ROSEUS</i> - A REVIEW.
5	B6E10705	. SANTHYA	MR.C.KUMARESAN	KINETICS OF POLYMERIZATION OF ACRYLAMIDE INITIATED BY CE (IV) – VANILIN REDOX SYSTEM – A REVIEW
6	B6E10706	M.SARANYA	MR.C.KUMARESAN	KINETICS OF POLYMERIZATION OF METHYL METHACRYLATE BY CE (IV) – VANILIN

				REDOX SYSTEM – A REVIEW
7	B6E10707	T.SELVANAYAKI	DR.R.MAHENDRAN	PURIFICATION OF WATER BY ELECTROLYSIS METHOD – A REVIEW
8	B6E10708	A.SHENGAMMAL	DR.P.PRABHAKAR	CORROSION OF MILD STEEL – A REVIEW
9	B6E10710	P.KARTHICK	DR.R.MAHENDRAN	PURIFICATION OF WATER BY ION EXCHANGE PROCESS – A REVIEW
10	B6E10711	D.MUTHUKUMAR	DR.A.ASHOKKUMAR	A REVIEW OF NANO FLUIDS
11	B6E10712	M.PERIYASAMY	DR.R.MAHENDRAN	WASTE WATER TREATMENT BY REVERSE OSMOSIS – A REVIEW
12	B6E10713	K.PONNAR	DR.S.MANIMEGALAI	ASSESSMENT OF GROUND WATER QUALITY OF DINDIGUL REGION IN TAMIL NADU, INDIA
13	B6E10714	E.RAGU	DR.N.VISHNUDHARI	EVALUATION OF ANTIOXIDANT CAPACITY AND IDENTIFICATION OF BIOACTIVITY OF (ETHANOL & AQUEOUS) EXTRACTS OF CASEALPINIA PULCHERRIMA
14	B6E10716	A.SILABARASI	DR.V.GOPALAKRISHNAN	STUDY OF CONDUCTING POLYMERS – A REVIEW

April 2018

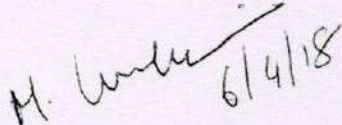
2017-2018

## CERTIFICATE

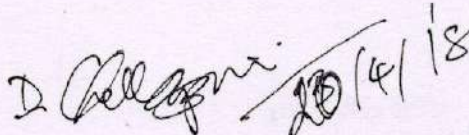
This to certify that this project report entitled "GREEN SYNTHESIS OF GOLDNANOPARTICLES" – A REVIEW" submitted in partial fulfillment of requirements for the degree of Master of Science in Chemistry of Madurai Kamaraj University under semester system to Department of Chemistry, Arulmigu Palaniandavar College of Arts and Culture, Palani, is a bonafied record of the work done by P.GOMATHI, Register Number- B6E10701 under my supervision and guidance.

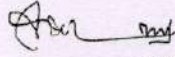
  
**Dr.P.PRABHAKAR**

Assistant Professor and Head ,  
Department of Chemistry,  
A.P.A. College of Arts and Culture,  
Palani.

  
**Dr.M.UMAYAVALLI**

Assistant Professor of Chemistry,  
Department of Chemistry ,  
A.P.A. College of Arts and Culture,  
Palani.

  
20/4/18

  
20/4/18



  
**PRINCIPAL**  
Arulmigu Palaniandavar College  
of Arts & Culture,  
PALANI - 624 601.

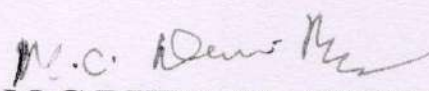


## CERTIFICATE

This to certify that this project report entitled "**PHASE TRANSFER CATALYSTS – A REVIEW**" submitted in partial fulfillment of requirements for the degree of Master of Science in Chemistry of Madurai Kamaraj University under semester system to Department of Chemistry, Arulmigu Palaniandavar College of Arts and Culture, Palani, is a bonafied record of the work done by **A.MANGAYARKKARASI**, Register Number- **B6E10702** under my supervision and guidance.

  
**Dr.P.PRABHAKAR**

Assistant Professor and Head ,  
Department of Chemistry,  
A.P.A. College of Arts and Culture,  
Palani.

  
**Dr.M.C.DURAIMANICKAM**

Assistant Professor of Chemistry,  
Department of Chemistry ,  
A.P.A. College of Arts and Culture,  
Palani.

  
**PRINCIPAL**  
Arulmigu Palaniandavar College  
of Arts & Culture,  
PALANI - 624 601,






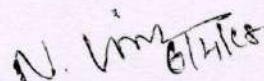
## CERTIFICATE

This to certify that this project report entitled "PHYTOCHEMICAL AND PHARMACOLOGICAL ANALYSIS OF CASSIA AURICULATA- A REVIEW" submitted in partial fulfillment of the requirements for the degree of Master of Science in Chemistry of Madurai Kamaraj University under semester system to Department of Chemistry, Arulmigu Palaniandavar College of Arts and Culture, Palani, is a bonafied record of the work done by **M.NAGALAKSHMI**, Register Number-**B6E10703** under my supervision and guidance.

  
Dr.P.PRABHAKAR

Associate Professor and Head,  
Department of Chemistry,  
Arulmigu Palaniandavar  
College of Arts and Culture,  
Palani.



  
Dr. N.VISHNUTHARI

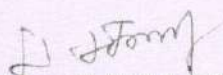
Assistant professor in chemistry,  
Department of Chemistry,  
Arulmigu Palaniandavar  
College of Arts and Culture,  
Palani.

  
PRINCIPAL  
Arulmigu Palaniandavar College  
of Arts & Culture,  
PALANI - 624 601.




## CERTIFICATE

This to certify that this project report entitled "IDENTIFICATION OF PHARMACOLOGICAL ACTIVITIES OF CATHARANTHUS ROSEUS PLANT - A REVIEW" submitted in partial fulfillment of the requirements for the degree of Master of Science in Chemistry of Madurai Kamaraj University under semester system to Department of Chemistry, ArulmiguPalaniandavar College of Arts and Culture, Palani, is a bonafied record of the work done by N.NANTHEESWARI, Register Number-B6E10704 under my supervision and guidance.

  
Dr. P. PRABHAKAR

Associate Professor and Head,  
Department of Chemistry,  
ArulmiguPalaniandavar  
College of Arts and Culture,  
Palani.

  
Dr. N. VISHNUTHARI

Assistant professor in chemistry,  
Department of Chemistry,  
ArulmiguPalaniandavar  
College of Arts and Culture,  
Palani.

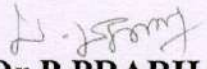
  
PRINCIPAL  
Arulmigu Palaniandavar College  
of Arts & Culture,  
PALANI - 624 601.






## CERTIFICATE

This is to certify that this project report entitled "KINETICS OF POLYMERIZATION OF ACRYLAMIDE INITIATED BY Ce(IV) – VANILLIN REDOX SYSTE-A REVIEW" submitted in partial fulfillment of the requirements for the degree of Master of Science in Chemistry of Madurai Kamaraj University under semester system to Department of Chemistry, Arulmigu Palaniandavar College of Arts & Culture, Palani is a bonafied record of the work done by V.SANTHIYA, Reg.No.B6E10705 under my supervision and guidance.

  
**Dr.P.PRABHAKAR**  
Associate Professor and Head,  
Department of Chemistry,  
A.P.A .College of Arts & Culture,  
Palani – 624 601.

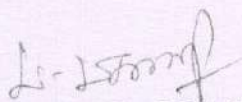
  
**Mr.C.KUMARESAN,**  
Assistant Professor of Chemistry,  
Department of Chemistry,  
A.P.A. College of Arts & Culture,  
Palani – 624 601.

  
  
**PRINCIPAL**  
Arulmigu Palaniandavar College  
of Arts & Culture,  
**PALANI - 624 601.**



## CERTIFICATE

This is to certify that this project report entitled "KINETICS OF POLYMERIZATION OF METHYL METHACRYLATE BY Ce (IV) – VANILLIN REDOX SYSTEM" submitted in partial fulfillment of the requirements for the degree of Master of Science in Chemistry of Madurai Kamaraj University under semester system to Department of Chemistry, Arulmigu Palaniandavar College of Arts & Culture, Palani is a confide record of the work done by M.SARANYA, Reg.No.B6E10706 under my supervision and guidance.



Dr. P. PRABHAKAR,

Associate Professor and Head,

Department of Chemistry,

A.P.A. College of Chemistry,

Palani – 624601.



Mr. C. KUMARESAN,

Assistant Professor of Chemistry,

Department of Chemistry,

A.P.A. College of Arts & Culture,

Palani – 624601.



PRINCIPAL

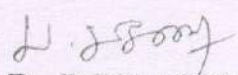
Arulmigu Palaniandavar College  
of Arts & Culture,  
PALANI - 624601.





## CERTIFICATE

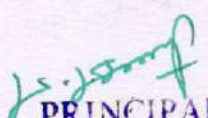
This to certify that this project report entitled **“PURIFICATION OF WATER BY ELECTROLYSIS METHOD- A REVIEW”** submitted in partial fulfillment of the requirements for the degree of Master of Science in Chemistry of Madurai Kamaraj University under semester system to Department of Chemistry, Arulmigu Palaniandavar College of Arts and Culture, Palani, is a bonafied record of the work done by **T.SELVANAYAKI**, Register Number-**B6E10707** under my supervision and guidance.

  
Dr.P.PRABHAKAR

Associate Professor and Head,  
Department of Chemistry,  
Arulmigu Palaniandavar  
College of Arts and Culture,  
Palani.

  
Dr.R.MAHENDHIRAN

Assistant professor in chemistry,  
Department of Chemistry,  
Arulmigu Palaniandavar  
College of Arts and Culture,  
Palani.

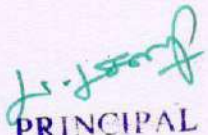
  
PRINCIPAL  
Arulmigu Palaniandavar College  
of Arts & Culture,  
PALANI - 624 601.





## CERTIFICATE

This to certify that this project report entitled "**CORROSION OF MILD STEEL – A REVIEW**" submitted in partial fulfillment of requirements for the degree of Master of Science in Chemistry of Madurai Kamaraj University under semester system to Department of Chemistry , Arulmigu Palaniandavar College of Arts and Culture, Palani, is a bonafied record of the work done by **A.SHEGAMMAL, B6E10708** under my supervision and guidance.

  
PRINCIPAL  
Arulmigu Palaniandavar College  
of Arts & Culture,  
PALANI - 624601.

  
**Dr.P.PRABHAKAR**

Associate Professor and Head,

Department of chemistry,

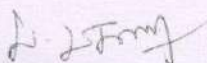
A.P.A.College of Arts and Culture,  
Palani.





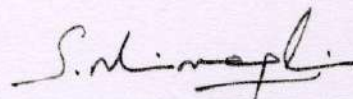
CERTIFICATE

This to certify that this project report entitled "ANALYSIS OF GROUND WATER QUALITY OF PALLADAM REGION IN TIRUPUR DISTRICT, TAMILNADU, INDIA" submitted in partial fulfillment of the requirements for the degree of Master of Science in Chemistry of Madurai Kamaraj University under semester system to Department of chemistry, A.P.A. College of Arts and Culture, Palani , is a bonafide record of work done by K.KALEEL RAHMAN. Register number :B6E10709 under my supervision and guidance.



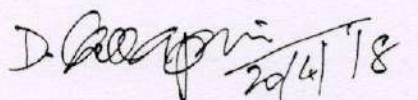
**Dr.P.PRABHAKAR**

Associate Professor and Head,  
Department of chemistry,  
A.P.A College of arts and culture,  
Palani-624601.

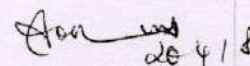


**Dr.S.MANIMEGALAI**

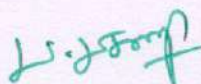
Assistant Professor,  
Department of Chemistry,  
A.P.A College of arts and culture,  
Palani-624601.



20/4/18



20/4/18



**PRINCIPAL**


**Arulmigu Palaniandavar College  
of Arts & Culture,  
PALANI - 624 601.**




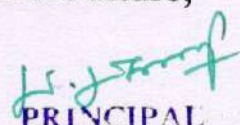


## CERTIFICATE

This to certify that this project report entitled "PURIFICATION OF WATER BY ION EXCHANGE PROCESS- A REVIEW" submitted in partial fulfillment of the requirements for the degree of Master of Science in Chemistry of Madurai Kamaraj University under semester system to Department of Chemistry, Arulmigu Palaniandavar College of Arts and Culture, Palani, is a bonafied record of the work done by **P.KARTHICK**, Register Number-**B6E10710** under my supervision and guidance.

  
Dr.P.PRABHAKAR  
Associate Professor and Head,  
Department of Chemistry,  
Arulmigu Palaniandavar  
College of Arts and Culture,  
Palani.

  
Dr.R.MAHENDHIRAN  
Assistant professor in chemistry,  
Department of Chemistry,  
Arulmigu Palaniandavar  
College of Arts and Culture,  
Palani.

  
PRINCIPAL  
Arulmigu Palaniandavar College  
of Arts & Culture,  
PALANI - 624 601





## CERTIFICATE

This is certify that this report entitled "A REVIEW ON NANO FLUIDS"  
submitted in partial fulfillment of the requirements for the degree of Master of  
Science in Chemistry of Madurai Kamaraj University under semester system to  
Department of Chemistry, Arulmigu Palaniandavar College of Arts and Culture,  
Palani, is a bonafide record of work done by **D.MUTHUKUMAR, REG.NO. -**  
**64E20711** under my supervision and guidance.

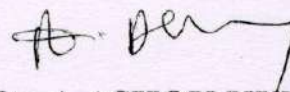
  
**Dr. P.PRASHAKAR,**

Associate Professor and Head,

Department of Chemistry,

A.P.A. College of Arts and Culture,

Palani.



**Dr. A.ASHOK KUMAR,**

Assistant Professor of Chemisrty,

Department of Chemistry,

A.P.A. College of Arts and Culture,

Palani.

  
**PRINCIPAL**

Arulmigu Palaniandavar College  
of Arts & Culture,  
PALANI - 624 601,



# CERTIFICATE


This to certify that this project report entitled "WASTE WATER TREATMENT BY REVERSE OSMOSIS PROCESS-A REVIEW" submitted in partial fulfillment of the requirements for the degree of Master of Science in Chemistry of Madurai Kamaraj University under semester system to Department of Chemistry, Arulmigu Palaniandavar College of Arts and Culture, Palani, is a bonafied record of the work done by **M.PERIYASAMY**, Register Number-**B6E10712** under my supervision and guidance.

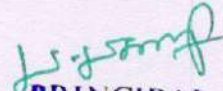
  
**Dr.P.PRABHAKAR**

Associate Professor and Head,  
Department of Chemistry,  
Arulmigu Palaniandavar  
College of Arts and Culture,  
Palani.

  
**Dr.R.MAHENDHIRAN**

Assistant professor in chemistry,  
Department of Chemistry,  
Arulmigu Palaniandavar  
College of Arts and Culture,  
Palani.

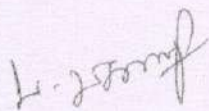
  
D. Prabhakar  
20/4/18.

  
PRINCIPAL  
Arulmigu Palaniandavar College  
of Arts & Culture,  
PALANI - 624 601.  
20/4/18

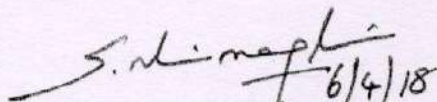


## CERTIFICATE

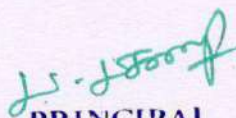
This to certify that this project report entitled "ASSESSMENT OF GROUND WATER QUALITY OF DINDIGUL REGION IN TAMILNADU, INDIA" submitted in partial fulfillment of the requirements for the degree of Master of Science in Chemistry of Madurai Kamaraj University under semester system to Department of Chemistry, A.P.A. College of Arts and Culture, Palani, is a bonafide record of work done by K.PONNAR, Register number :B6E10713 under my supervision and guidance.



**Dr.P.PRABHAKAR,**  
Associate Professor and Head,  
Department of chemistry,  
A.P.A.College of Arts and Culture,  
Palani- 624 601.



**Dr.S.MANIMEGALAI,**  
Assistant Professor,  
Department of Chemistry,  
A.P.A.College of Arts and Culture,  
Palani- 624 601.



**PRINCIPAL**  
Arulmigu Palaniandavar College  
of Arts & Culture,  
PALANI - 624 601.

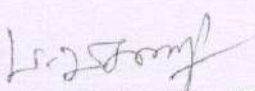





## CERTIFICATE

This to certify that this project report entitled "Evaluation of Antioxidant Capacity and Identification of Bioactivity of (Ethanol & aqueous) Extracts of *Caesalpinia pulcherrima*" Submitted in partial fulfillment of the requirements for the degree of Master of science in Chemistry of Madurai Kamaraj University under semester system to Department of chemistry, A.P.A. College of arts and culture, Palani , is a bonafide record of work done by E.RAGU.

Register number :B6E10714 under my supervision and guidance.

  
Dr.P.PRABHAKAR,  
Associate professor and head  
Department of chemistry  
Arulmigu palaniandavar  
College of arts and Culture  
Palani.

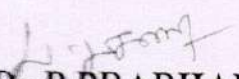
  
Dr.N.VISHNUTHARI  
Associate professor in chemistry  
Department of chemistry  
Arulmigu palaniandavar  
College of arts and culture  
Palani.

  
PRINCIPAL  
Arulmigu Palaniandavar College  
of Arts & Culture,  
PALANI-624 601.

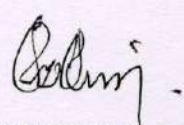


## CERTIFICATE

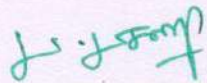
This to certify that this project report entitled "STUDY OF CONDUCTING POLYMERS -A REVIEW" submitted in partial fulfilment of the requirements for the degree of Master of Science in Chemistry of Madurai Kamaraj University under semester system to Department of Chemistry, Arulmigu Palaniandavar College of Arts and Culture, Palani, is a bonafied certificate of the work done by **A.SILAMBARASI, B6E10716** under my supervision and guidance.

  
**Dr P.PRABHAKAR**

Associate Professor and Head,  
Department of Chemistry,  
A.P.A.College of Arts and Culture,  
Palani.

  
**Dr V.GOPALAKRISHNAN,**

Associate Professor of Chemistry,  
A.P.A.College of Arts and Culture,  
Palani.



**PRINCIPAL**

Arulmigu Palaniandavar College  
of Arts & Culture,  
PALANI - 624 601.

