

Sl. No. 000060



# KRISHNA UNIVERSITY

## కృష్ణా విశ్వవిద్యాలయం

Ref. No. No. KRU/EXP115/Ph.D/2021

### PROVISIONAL CERTIFICATE

*This is to Certify that Reg. No. 1410PH101008*

Sri /Smt./Kum. POTARAJU V S SAI RAM

s/o./D/o. P V RAMA KRISHNA RAO

*has qualified himself/herself for the award of the Degree of Doctor of Philosophy by Research for the Thesis submitted by him/her entitled "THERMODYNAMIC, THERMOACOUSTIC*

*AND PHASE EQUILIBRIUM STUDIES OF INTERMOLECULAR INTERACTIONS IN BINARY LIQUID MIXTURES OF ETHYL LACTATE".*

*and that he/she has done all that is necessary for the formal presentation for the Degree of Doctor of Philosophy in PHYSICS*

*in the Faculty of MATHEMATICAL & PHYSICAL SCIENCES*

*with effect from 22/03/2021*

The Degree has been awarded in accordance with UGC Regulations 2009.

Initials of the

Clerk who

Prepared

Examined

:

:

CONTROLLER OF EXAMINATIONS

Date :

24/03/2021

Machilipatnam,  
Andhra Pradesh.

**Dr.R.Kiran Kumar**

M.Tech.Ph.D

**Coordinator**



**CENTRE FOR RESEARCH STUDIES (CRS)**  
**KRISHNA UNIVERSITY**, Machilipatnam, India - 521001

**Fax** : + 91-8672-225677

**Mobile** : + 91-9440872455

**E-mail** : crskru@gmail.com

**Website** : www.krishnauniversity.ac.in

No.KRU/CRS/Supervisor Information/2016

Dt.16.06.2016

To

Mandava.Silpa (Regd. No. 1401PH 101004)  
Research Scholar-Ph.D (PT)  
Department of Physics

Sir/Madam,

SUB: CRS-KRU-Supervisor Information, 2014-15-reg.  
Ref: Vice-Chancellor Proceedings dated 15.06.2016.

\*\*\*\*\*

I am, by direction to inform you that you are allotted to Dr.G.Srinivasa Rao,Andhra Loyala College Vijayawada,recognized research supervisor in the **Department of Physics**. You are requested to report to your research supervisor soon after receiving this letter and submit details of your research topic hard copy duly signed by your research supervisor to the undersigned on or before 30-06-2016.

Yours sincerely

(R.KIRAN KUMAR)

**COORDINATOR**

**Centre for Research Studies**  
**KRISHNA UNIVERSITY**  
**MACHILIPATNAM - 521 001**



**ACHARYA NAGARJUNA UNIVERSITY**  
**UNIVERSITY COLLEGE OF SCIENCES**

Prof. K.Chandan,  
M.Sc., Ph.D.,  
PRINCIPAL



Nagarjuna Nagar – 522 510  
Guntur (A.P.), INDIA  
Office : 0863-2346600  
Cell : 9848475011  
E.mail : kotagirichandan@gmail.com

No.ANU/UCS/Res/Re-Registration/M.Phil./Ph.D./2019,

Date: 12-09-2019

**PROCEEDINGS OF THE VICE-CHANCELLOR**

**Sub: ANU – University College of Sciences – Re-Registration of certain Research Scholars – Permission accorded – Orders – Issued-Reg.**

**Ref: 1. Recommendations of the DRC concerned Departments.  
2. Vice-Chancellor's Orders dated 01-08-2019.**

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**ORDER:**

The Vice-Chancellor has considered the recommendations of the DRC ordered that the following Research Scholars, be permitted to Re-Registration as a last Chance for completion of their M.Phil./Ph.D. courses with effect from the date of expiry for their earlier registrations.

Sl.No	Name of the scholar, Department & Guide	Date of Joining & Course	Date of conversion from M.Phil. to Ph.D.	Date of expiry of the registration	Permission have to accorded by way of re-registration for the period	Prescribed fee.Rs.
1	T Venkate Siva Lakshmi Dept.of Bio Technology Guide:Dr.K.Kasturi	15-03-2014 Ph.D.(FT)	---	14-03-2019	15-03-2019 to 14-03-2024	4000/-
2	T Leela Lakshmi Kupari Dept of Bio Technology Guide:Dr.K.Kasturi	06-03-2014 Ph.D.(FT)	---	05-03-2019	06-03-2019 to 05-03-2024	4000/-
3	R Jaya Lakshmi Dept of Bio Technology Guide:Dr.K.Kasturi	05-03-2014 Ph.D.(FT)	---	04-03-2019	05-03-2019 to 04-03-2024	4000/-
4	T Anulha Dept of Bio Technology Guide : Dr.P.Sudhakar	06-03-2014 Ph.D.(FT)	---	05-03-2019	06-03-2019 to 05-03-2024	4000/-
5	Malikarjun Naryan Dixit Dept.of Bio Technology Guide : Prof.K.R.S Sambasiva Rao	14-10-2009 Ph.D.(EMR)	---	13-10-2014	14-10-2014 to 13-10-2019	4000/-
6	R Anusha Dept of Bio Technology Guide : Dr.P.Udaya Sri	05-03-2014 Ph.D.(FT)	---	04-03-2019	05-03-2019 to 04-03-2024	4000/-
7	P Siva Prasad Rao Dept of Bio Technology Guide : Dr.P.Udaya Sri	06-03-2014 Ph.D.(FT)	---	05-03-2019	06-03-2019 to 05-03-2024	4000/-
8	D Lakshmi Manjusha Dept.of Bio Technology Guide : Dr.P.Udaya Sri	06-03-2014 Ph.D.(FT)	---	05-03-2019	06-03-2019 to 05-03-2024	4000/-
9	H.Kasmitha Dalei Dept of Bio Technology Guide : Dr.P.Udaya Sri	06-03-2014 Ph.D.(FT)	---	05-03-2019	06-03-2019 to 05-03-2024	4000/-
10	M Venkatesh Babu Dept.of Bio Technology Guide : Dr.P.Udaya Sri	10-06-2014 Ph.D.(FT)	---	09-06-2019	10-06-2019 to 09-06-2024	4000/-
11	P Gopi Dept.of Bio Technology Guide : Prof.K.R.S Sambasiva Rao	05-03-2014 Ph.D.(FT)	---	04-03-2019	05-03-2019 to 04-03-2024	4000/-
12	K Bhushanam Dept of Bio Technology Guide : Dr.P.Sudhakar	07-08-2014 Ph.D.(FT)	---	06-08-2019	07-08-2019 to 06-08-2024	4000/-
13	Sudaythulla Mohammad Dept of Bio Technology Guide : Prof.K.R.S Sambasiva Rao	05-03-2014 Ph.D.(FT)	---	04-03-2019	05-03-2019 to 04-03-2024	4000/-
14	R.Sunil Dept of Bio Technology Guide : Dr.Seshumadhav	10-06-2014 Ph.D.(FT)	---	09-06-2019	10-06-2019 to 09-06-2024	4000/-
15	V Venkatesh Dept of Bio Technology Guide : Dr.Seshumadhav	07-06-2014 Ph.D.(FT)	---	06-06-2019	07-06-2019 to 06-06-2024	4000/-
16	S Bhaskar Rao Dept of Bio Technology Guide : Dr.S.M Balachandran	16-06-2014 Ph.D.(FT)	---	15-06-2019	16-06-2019 to 15-06-2024	4000/-



17	K. A. Sasikala Dept of Physics Guide Dr G Srinivasa Rao	03-11-2009 M.Phil. (FT)	Converted M.Phil. (FT) to Ph.D. (FT) with effect M.Phil. Degree awarded 16-04-2014	15-04-2019	16-04-2019 to 15-04-2024	4000/-
18	P. Naresh Dept of Physics Guide Dr N. Krishna Mohan	10-06-2008 M.Phil. (FT)	Converted M.Phil. (FT) to Ph.D. (PT) with effect VC orders dated 31-10-2012	30-10-2019	31-10-2019 to 30-10-2026	4000/-
19	B. Teemala Rao Dept of Physics Guide Dr. Sandya colc	05-06-2008 M.Phil. (FT)	Converted M.Phil. (FT) to Ph.D. (FT) with effect M.Phil. Degree awarded 28-01-2012	27-01-2017	28-01-2017 to 27-01-2022	4000/-
20	D. Vijaya Sri Dept of Physics Guide Dr Ch. Linga Raju	22-06-2012 Ph.D. (PT)	---	21-06-2019	22-06-2019 to 21-06-2026	4000/-
21	Y. Chantanya Dept of Physics Guide Dr Ch. Linga Raju	18-06-2012 Ph.D. (PT)	---	17-06-2019	18-06-2019 to 17-06-2026	4000/-
22	T. Kalpana Dept of Chemistry Guide Dr T. Rajarajeswari	04-06-2014 Ph.D. (FT)	---	03-06-2019	04-06-2019 to 03-06-2024	4000/-
23	Abdul Rahim Dept of Chemistry Guide Prof.R. Venkata Naidu Co-Guide Dr D. Ramachandran	10-06-2014 Ph.D. (FT)	---	09-06-2019	10-06-2019 to 09-06-2024	4000/-
24	P. Ratna Sekar Dept of Zoology & Aquaculture Guide Dr M. Jagadish Naik	07-03-2014 Ph.D. (FT)	---	06-03-2019	07-03-2019 to 06-03-2024	4000/-
25	M. Ajit Kumar Dept of Zoology & Aquaculture Guide Dr V. Venkata Rathanamma	03-03-2014 Ph.D. (FT)	---	02-03-2019	03-03-2019 to 02-03-2024	4000/-
26	T. Sravanthi Dept of Chemistry Guide Dr N. Madhavi	05-06-2014 Ph.D. (FT)	---	04-06-2019	05-06-2019 to 04-06-2024	4000/-
27	P. Usha Rani Dept of Chemistry Guide Dr N. Madhavi	02-06-2014 Ph.D. (FT)	---	01-06-2019	02-06-2019 to 01-06-2024	4000/-
28	K. Harschandra Prasad Dept of Mathematics Guide Dr T. V. Pradeep Kumar	21-04-2012 Ph.D. (PT)	---	20-04-2019	21-04-2019 to 20-04-2026	4000/-
29	G. Bhanuvimolia Dept of Mathematics Guide Dr V. Amarendra Babu	25-04-2012 Ph.D. (PT)	---	24-04-2019	25-04-2019 to 24-04-2026	4000/-
30	V. S. N. Malleswari Dept of Mathematics Guide Dr V. Amarendra Babu	25-04-2012 Ph.D. (PT)	---	24-04-2019	25-04-2019 to 24-04-2026	4000/-
31	U. Rama Krishna Dept of Environmental Sciences Guide Dr. A. V. V. S. Swamy	10-05-2012 Ph.D. (FT)	---	09-05-2017	10-05-2017 to 09-05-2023	4000/-
32	C. Chandra Selchar Dept of Bio-Technology Guide Dr C. Ganesh Kumar	12-06-2014 Ph.D. (FT)	---	11-06-2019	12-06-2019 to 11-06-2024	4000/-
33	M. Suchandranath Babu Dept of Bio-Technology Guide Dr N. Sarala	25-08-2014 Ph.D. (FT)	---	24-08-2019	25-08-2019 to 24-08-2024	4000/-
34	A. Krishnam Raju Dept of Bio-Technology Guide Dr N. Sarala	28-08-2014 Ph.D. (FT)	---	27-08-2019	28-08-2019 to 27-08-2024	4000/-
35	B. Kavitha Dept of Bio-Technology Guide Dr N. Sarala	28-08-2014 Ph.D. (FT)	---	27-08-2019	28-08-2019 to 27-08-2024	4000/-
36	Ch. Gowthami Chandu Dept of Bio-Technology Guide Dr N. Sarala	14-08-2014 Ph.D. (FT)	---	13-08-2019	14-08-2019 to 13-08-2024	4000/-
37	N. Tripura Venkata Venu Gopal Dept of Bio-Technology Guide Dr N. Sarala	25-08-2014 Ph.D. (FT)	---	24-08-2019	25-08-2019 to 24-08-2024	4000/-

Therefore, the above Research Scholars are directed to pay the fee shown against their names and dues if any, to the A/c No.30908776401 within fifteen days at S.B.I., ANU Campus through Demand Draft in favour of Registrar, ANU and submit the DD in the DD Cell to get receipt and submit the receipt in the office of the undersigned.

(BY ORDER)

PRINCIPAL

University College of Sciences

To

1. The Head/Co-ordinator of the Departments concerned.
2. The above Research Scholar through his Research Director.

Copy to the Coordinator, Research Cell, ANU.





**ACHARYA NAGARJUNA UNIVERSITY COLLEGE OF SCIENCES**  
**Nagarjunanagar, GUNTUR-522 510(Andhra Pradesh)**

Prof. B.Syama Sundar, Ph.D., FRSC (London)  
 Principal &  
 Dean , Faculty of Physical Sciences



Fax: 0863-2293378 & 2293320  
 (O) 0863-2346170 (R) 0863- 2351372  
 Mobile: 094402 51372  
 e.mail: profbsyamsundar@yahoo.co.in

No.ANU/UCS/Res/ Change of Guide/Ph.D /2012

Dt: 12-04-2012

**PROCEEDINGS OF THE VICE-CHANCELLOR**  
**(Present: Prof.K.Viyanna Rao I/c)**

**Sub:-** ANU – University College of Sciences – Research - Change of Guide Permission accorded – Orders – Issued.

**Ref:-** Orders of I/c Vice-Chancellor's dated 12-04-2012.

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**ORDER:**

Having considered the representation endorsed by the concerned Research Director and Head of the Department, the Vice-Chancellor has ordered that the permission be accorded to the following research scholar as noted against each:

Sl.No.	Name of the Research Scholar/Guide	Permission accorded for	Prescribed fee to be paid Rs.
1	K. A. Aravinda Kumar Ph.D. (EMR) Dept. of Chemistry Guide: Prof. B. Kesava Rao	Change of Guide from Prof. B. Kesava Rao to Dr. Ram Vishwakarma	--
2	K. Angelina Ruth Ph.D. (Part-Time) Dept. of Environmental Sciences Guide: Prof. K.B. Reddy	Change of Guide from Prof. K.B. Reddy to Dr. A.V.V.S. Swamy, ANU	-
3	R. Ramya Ph.D. (Part-Time) Dept. of Bio-Technology Guide: Dr. T. Nagarajan	Change of Guide from Dr. T. Nagarajan to Dr. V.A. Srinivasan	-
4	J. Pandu Ranga Rao M.Phil. (Part-Time) Dept. of Physics Guide: Dr. J. Siva Rama Krishna	Change of Guide from Dr. J. Siva Rama Krishna to Dr. G. Srinivasa Rao a) Conversion from M.Phil (Part-Time) to Ph.D. (Part-Time) w.e.f. the date of M.Phil Degree awarded Dated 24-09-2011	Rs 2,000/-

Therefore, the above research scholars are directed to pay the fee shown against them besides tuition fee dues if any, to the A/c No.10676713677 within fifteen days at S.B.I., ANU Campus through Demand Draft in favor of Principal, University College of Sciences, ANU and submit the DD in the DD Cell to get the receipt and submit it in the office of the undersigned.

(BY ORDER)

  
**PRINCIPAL**  
 University College of Sciences

To  
 The above Research Scholar through their Research Director.  
 The Research Director concerned.  
 The Head of the Department concerned.  
 Copies to: The Co-ordinator, Research Cell, ANU.  
 The PA. to Vice-Chancellor, A.N.U.

# ACHARYA NAGARJUNA UNIVERSITY

## UNIVERSITY COLLEGE OF SCIENCES

Prof. K.Chandan,  
M.Sc., Ph.D.,  
PRINCIPAL



Nagarjuna Nagar – 522 510  
Guntur (A.P.), INDIA  
Office : 0863-2346600  
Cell : 9848475011  
E.mail : kotagirichandan@gmail.com

No. ANU/UCS/Res/Re-Registration/M.Phil/Ph.D./2018,

Date: 4.9.2018

### PROCEEDINGS OF THE VICE-CHANCELLOR

**Sub:** ANU – University College of Sciences – Re-Registration of certain Research Scholars – Permission accorded – Orders – Issued.

**Ref:** 1. Recommendations of the DRC concerned Departments.  
2. Vice-Chancellor's Orders dated 30-08-2018.

#### ORDER:

The Vice-Chancellor has considered the recommendations of the DRC ordered that the following Research Scholars, be permitted to Re-Registration for completion of their M.Phil/Ph.D. courses with effect from the date of expiry for their earlier registrations.

Sl. No	Name of the scholar, Department & Guide	Date of joining & Course	Date of conversion from M.Phil to Ph.D.	Date of expiry of the registration	Permission have to accorded by way of re-registration for the period	Prescribed fee. Rs.
1	<u>B.K. Sudhakar</u> Department of Physics Guide: Dr. G. Srinivasa Rao	4-11-2009 Ph.D. (PT)	—	3-11-2016	4-11-2016 to 3-11-2023	4,000/-
2	<u>N. Ramakrishna Chaud</u> Department of Physics Guide: Dr. G. Srinivasa Rao	4-11-2009 Ph.D. (PT)	—	3-11-2016	4-11-2016 to 3-11-2023	4,000/-
3	Siba Yasmeen Department of Botany & Microbiology Guide: Prof. M. Vijayalakshmi	21-6-2012 Ph.D. (PT)	Ph.D. (PT) to Ph.D. (PT) with effect of 15-3- 2013	14-3-2018	15-3-2018 to 14-3-2023	4,000/-
4	D. Jaya Prakash, Department of Chemistry Guide: Dr. N. Surendra Babu	18-11-2009 M.Phil. (PT)	Converted M.Phil.(PT) to Ph.D. (PT) with effect part one examination on 12-1-2011	11-1-2018	12-1-2018 to 11-1-2025	4,000/-
5	A. Nagamallavarua Rao Department of Mathematics Guide: Dr. P.L.N. Varma	21-12-2009 M.Phil. (PT)	Converted M.Phil.(PT) to Ph.D. (PT) with effect M.Phil. Degree awarded 15-2-2013	14-2-2018	15-2-2018 to 14-2-2023	4,000/-
6	K. Anuradha Department of Mathematics Guide: Dr. D. Madhusudhana Rao	23-4-2016 M.Phil. (PT)	—	22-4-2018	22-4-2018 to 23-4-2020	3,500/-
7	K. Sandha Kumari Department of Chemistry Guide: Dr. K. Prasad Rao	16-11-2009 M.Phil. (PT)	Converted M.Phil.(PT) to Ph.D. (PT) with effect M.Phil. Degree awarded 24-9-2012	23-9-2017	24-9-2017 to 23-9-2022	4,000/-
8	Ch. Jalaja Department of Botany & Microbiology Guide: Dr. M. Rajharam	21-6-2012 Ph.D. (PT)	Ph.D. (PT) to Ph.D. (PT) w.e.f 8-2-2013	7-2-2018	8-2-2018 to 7-2-2023	4,000/-
9	E. Huldah Mercy Department of Bio-Technology Guide: Dr. T. Srivalli	15-10-2009 Ph.D. (PT)	Converted M.Phil.(PT) to Ph.D.(PT) w.e.f. M.Phil. Part-I examination 12-1-2011	11-1-2018	12-1-2018 to 11-1-2025	4,000/-
10	P. Venkateswara Rao Department of Environmental Science Guide: Prof. N. Srinivasa	30-11-2009 Ph.D. (EMR)	—	29-11-2014	30-11-2014 to 29-11-2019	4,000/-
11	P.Krishna Kumar Department of Chemistry Guide: Prof. B. Syamasunder	19-11-2009 Ph.D. (PT)	—	18-11-2016	19-11-2016 to 18-11-2023	4,000/-
12	P. Venugopal Rao Department of Mathematics Guide: Prof. Bh. Satyanarayana	2-6-2008 M.Phil.(PT)	Converted M.Phil.(PT) to Ph.D.(PT) w.e.f. M.Phil. Degree awarded date 15-12-2016	14-12-2017	15-12-2017 to 14-12-2024	4,000/-



Dr.R.Kiran Kumar  
M.Tech,Ph.D  
Coordinator



CENTRE FOR RESEARCH STUDIES (CRS)  
KRISHNA UNIVERSITY, Machilipatnam, India - 521100  
Fax : + 91-8672-225677  
Mobile : + 91-9440872455  
E-mail : crskru@gmail.com  
Website : www.krishnauniversity.ac.in

No.KRU/CRS/Supervisor Information/2016

Dt.11.02.2016

To

J.Nageswara Rao (Regd. No. 1410PH101007)  
Research Scholar-Ph.D (PT)  
Department of Physics

Sir/Madam,

SUB: CRS-KRU-Supervisor Information, 2014-15-reg.  
Ref: Vice-Chancellor Proceedings dated 30<sup>th</sup> January, 2016.

\*\*\*\*\*

I am, by direction to inform you that you are allotted to **Dr.G.Srinivasa Rao, Andhra Loyola College, Vijayawada**, recognized research supervisor in the **Department of Physics**. You are requested to report to your research supervisor soon after receiving this letter and submit the hard copy of your research proposal duly signed by you and your research supervisor to the undersigned on or before 25-02-2016.

Yours sincerely

(R.KIRAN KUMAR)

Centre for Research Studies  
KRISHNA UNIVERSITY  
MACHILIPATNAM - 521100

DI:

To

The Coordinator  
Centre for Research Studies  
Krishna University  
Machilipatnam -521001

Sir,

Sub: Joining Report Letter for Ph.D./M.Phil. (Full Time/Part-Time) Admission in the  
Department of - Reg.

Ref: Admission Letter No. CRS /KRU/ Ph.D/Adms 2014-15 Dt. 11-04-2015

With reference to the letter cited above, I have been selected for Ph.D./M.Phil.  
(Fulltime/Part-Time) in the Dept. of PHYSICS in the  
Faculty of Mathematical & Physical Sciences Krishna

University, Machilipatnam. My research work will be carried out at Recognized Research  
Centre/Organization Andhra Loyola College (Autonomous)

Vijayawada-8  
My Research Area is glass science  
and topic is Study of certain glass materials & ultrasonic

Under the Guidance of Dr. CH. Srimivari

*[Handwritten Signature]*

1) Signature of the Supervisor



2) Signature of the Co-Supervisor

a) Seal

Name: Dr. CH. Srimivari  
Address: Reader in physics  
ALC vij-8  
Mobile No: 9912335863  
E-mail ID: chlsrimi60@gmail.com

b) Seal

Name:  
Address :  
Mobile No:  
E-mail ID:

Yours sincerely  
B Nagamani

Scholar Name: ( BADUGU NAGAMANI )  
Mobile No: 9866546848  
E-mail Id: nagamani1411@gmail.com



# KRISHNA UNIVERSITY

Tel. No: 9154281370  
9154281371  
9154281372  
E.mail : krucoe2020@gmail.com



All official letters, packages, etc., should be addressed to the Controller of Examinations by designation and not by the name

No. KRU/Ph.D/2023

Dt: 15-11-2023

**NOTIFICATION**  
**AWARD OF RESEARCH DEGREE**  
**In**  
**PHYSICS**

It is hereby notified that the Vice-Chancellor having considered the reports of the following examiners appointed to adjudicate and report on the thesis entitled "*PHYSICAL SPECTROSCOPIC PROPERTIES OF BINARY BOROSILICATE GLASSES DOPED WITH  $V^{4+}$ ,  $Cu^{2+}$ ,  $Ti^{4+}$  &  $Mo^{6+}$  IONS: AN OBSERVATION OF MIXED ALKALI EFFECT*".

01. Prof. P. Dakshina Murthy, Professor, Department of Physics, University College of Engineering, JNTU-K, Kakinada- 533003
02. Prof. Prabhakar Singh, Professor, Department of Physics, IIT (BHU) Varanasi
03. Prof. Ajai Kumar Gupta, Professor, Department of Physics School of Physical Sciences MGCU Bihar, Motihari, East Champara-845401.

On the recommendation of the following examiners who have conducted the Viva-Voce examination held on 10.11.2023, the Vice-Chancellor is pleased to order that Mrs. Badugu Nagamani, Reg. No: 1410PH101001 be declared qualified for the Degree of Doctor of Philosophy (Ph.D.) in PHYSICS under the Faculty of Mathematical & Physical Sciences.

- |                               |                                |
|-------------------------------|--------------------------------|
| 01. Prof. P. Dakshina Murthy  | - External Examiner            |
| 02. Prof. K. Samatha          | - Chairman P.G. BOS            |
| 03. Prof. M.V.Basaveswara Rao | - Dean of Faculty              |
| 04. Prof.Y.K. Sundara Krishna | - Head of the Department       |
| 05. Prof. Ch. Srinivasu       | - Research Director & Convener |

(BY ORDER)

Central Administrative Office,  
Machilipatnam.  
Dt. 15.11.2023

  
(Dr. R. KIRAN KUMAR)  
CONTROLLER OF EXAMINAIONS

Controller of Examinations  
Krishna Un.(P/T/O)  
Rudravaram  
Machilipatnam - 521 004

**Copy To:** . . .

Examiners.

Research Director:

Joint Research Director:

Members of Viva-Voce Committee:

Librarian:

Public Relations Officer:

Coordinator IQAC:

Convener, Board of Research Studies:

Head of the Department:

Dean, Concerned Faculty:

Principal

Director, Research and Development

P.A. to the Registrar, Krishna University

P.S. to the Vice-Chancellor, Krishna University.

Accounts Section (Exam):

File copy.

\*\*\*





# RAYALASEEMA UNIVERSITY

Kurnool - 518 002 (AP)  
(A State University Established by Govt. of A.P.)  
Ph : 08518-271183, 280600 Fax : +91-8518-272600  
www.rayalaseemauniversity.ac.in

**Prof. A.A.Chari**  
**Director,**  
**Research Studies.**

**E.Mail : directorresearch.ru@gmail.com**

Lr No. : 3314 Ph.D/M.Phil (Part Time/Extrm) Admissions (2009-2010)

Date : 17/05/2010

To

**Mr. Timmeswara Sarma Nori**

**Physics**

N.T.Garma,

**Ph.D - Part Time**

S/o.N.Subrahmayam,

D.No.12-25, Teacher's Colony,

Kaikalur - 521333.

Krishna (dist.)

Cell : 9393605862

EMail : sarma1218@gmail.com

Dear Scholar,

Sub : Rayalaseema University, Kurnool - Admission to Research Programmes - 2009-2010

Ref : Vice Chancellor Proceedings dated 01/04/2010

Your application for admission into **Ph.D (Part Time)** Programme is **in principle accepted** subject to the submission and fulfilment of the following **on or before 01/06/2010** between 8.30 AM to 1 PM

1. Research Fee for Ph.D Part Time Category Rs.10,000/- per annum.

DD in favour of The Registrar, Rayalaseema University payable at Kurnool State Bank of Hyderabad or a Nationalised Bank.

2. Following Original Certificates for verification (personally / by post, sending Self Addressed Speed Post Paid Envelope for returning the Originals) :

i. P.G. Degree Marks & P.G. Degree Certificate

ii. M.Phil Marks & M.Phil Degree Certificate.

iii. Migration Certificate.

3. Certificate(s) of experience and Latest Service Certificate in original (if not submitted earlier).

4. Name of the Research Guide : Guide will be decided later.

  
DIRECTOR  
RESEARCH STUDIES

(This is a computer generated document. Hence, no signature is required.)

Note : If the Last Date falls on a Holiday, please report on the next working day.



# RAYALASEEMA UNIVERSITY

Kurnool - 518 002 (AP)

(A State University Established by Govt. of A.P)

Ph : 08518-271183, 280600 Fax : +91-8518-272600

www.rayalaseemauniversity.ac.in

## PROCEEDINGS OF THE VICE-CHANCELLOR

Sub : Ph.D Part Time Registration - Orders - Issued - Reg.

Ref : Your Application No. 3314

Read : Vice-Chancellor's Orders dated : 01/04/2010

### ORDER:

In Pursuance of the above, the following candidate is provisionally registered for  
Ph.D under Part Time Category.

Name : Mr. Timmeswara Sarma Nori  
Subject : Physics  
Research Guide : Guide will be decided later.  
Date of Registration : 23/03/2010  
Registration No. : PP PHY 0116  
Research Fee : Rs 10,000/-  
a). Demand Draft No. : 582927  
b) Bank : ANDHRA BANK  
c) Date : 29/05/2010

In case of any false information furnished by the candidate with regard to the eligibility for admission and fulfilment of the criteria for the Research Supervisor specified in the Research Guidelines, the registration stands cancelled without any further correspondence.

// BY ORDER //

Date : 20/06/2010



DIRECTOR  
RESEARCH STUDIES

**Note :** The candidate is instructed to refer to the University website from time to time for :

1. Subsequent payment of Research Fee for the years of course of Research programme.
2. Course work and schedule of Pre-Ph.D Examination.
3. Latest guidelines for future pursuance of Research Programmes.

To

**Mr. Timmeswara Sarma Nori**

N.T.Sarma, S/o.N.Subrahmayam,

D.No:12-25, Teacher's Colony, Kaikalur - 521333.Krishna (dist.)

Cell : 9393605862

Email : sarma1218@gmail.com

PA to Vice-Chancellor, Rayalaseema University, Kurnool, for information.





# RAYALASEEMA UNIVERSITY

(A State University Established by Govt. of A.P)

KURNOOL - 518 007 (A.P.) INDIA.

No. RU/Exams/Ph.D./PHY/0674/2024

Date: 12.02.2024

## NOTIFICATION

It is hereby notified that, on the recommendations of the Viva-Voce Committee duly constituted by the University, on the thesis submitted by **Mr. TIMMESWARA SARMA NORI** Department of **PHYSICS** for the award of Ph.D. Degree, it is decided and declared that the candidate is eligible for the award of Degree of **DOCTOR OF PHILOSOPHY (Ph.D.)** in **PHYSICS** of this University. The Ph.D. Degree is awarded with effect from **09.02.2024**.

Name of the Candidate	Subject & Regd. No.	Name and Address of the Research Supervisor	Date of Viva-Voce
<b>Mr. TIMMESWARA SARMA NORI</b>	<b>PHYSICS [PP.PHY.0116]</b>	Dr. Ch. SRINIVASU (Rtd.), Dept. of Physics, Andhra Loyola College, Vijayawada	<b>09.02.2024</b>

**Title of the thesis : "THERMO-ACOUSTIC, FTIR SPECTROSCOPIC & DEBYE TEMPERATURE STUDIES OF MOLECULAR INTERACTIONS IN BINARY LIQUID MIXTURES OF ANILINE WITH TOLUENE, O-XYLENE AND MESITYLENE AT (T=303.15, 308.15, 313.15 & 318.15) K-COMPUTATIONAL APPROACH"**

(BY ORDER)

  
**Director, Research Studies**

**DIRECTOR**  
Research Studies  
RAYALASEEMA UNIVERSITY  
KURNOOL - 518 007 A.P.

Copy to:

The candidate through proper channel.

The Research Supervisor: Dr. Ch. SRINIVASU (Rtd.), Dept. of Physics, Andhra Loyola College, Vijayawada

The Principal, College of Sciences, Rayalaseema University, Kurnool.

The Controller of Examinations, Rayalaseema University, Kurnool.

PA to Registrar / Rector / Vice Chancellor, Rayalaseema University, Kurnool.

The Registrars of Indian Universities.

The Secretary, University Grant Commission, Bahadurshah Zafar Marg, New Delhi

(Along with a soft copy of the Thesis).

The Secretary, Association of Indian Universities, Rouse Avenue, New Delhi.

All the Editors of all Dailies with a request to publish the contents of Notification as News Item.



**CENTRE FOR RESEARCH STUDIES (CRS)**  
**KRISHNA UNIVERSITY, MACHILIPATNAM -521001**

**Prof. Y.K. SUNDARA KRISHNA**  
**COORDINATOR, CRS**

**ADMISSION LETTER**

File No. CRS/KRU/M.Phil./Ph.D./Admns. 2014-15

Date: 11.04.2015.

\*\*\*

I am, by direction, to inform you that you are provisionally admitted into Research Programme as particulars are given below

1.	Name of the Candidate	: P.S. Acharyulu Narayanam
2.	Reg. No.	:1410PH101006
3.	Programme	: Ph.D. ( Part Time )
4.	Department	: Physics
5.	Faculty	:Faculty of Mathematical & Physical Sciences

The registered M. Phil/Ph. D. candidates are required to submit the acceptance Letter from the Research Supervisor and Co-Supervisor in a prescribed format to the Coordinator, Center for Research, Krishna University in order to confirm the particulars of Supervisor, Co Supervisor, Area of Research and Title of Research.

You shall abide to the rules and regulations of Krishna University. You are requested to refer Revised Research Guidelines 2014-15 hosted in the University Website. You are also informed to pay the prescribed fee for every consecutive year of Rs. 10,000/- (In case of Full-Time Registration) / Rs. 15,000/- ( In case of Part-Time registration) before July 31 and obtain receipt.

Enclosure: Prescribed format of Acceptance letter from Supervisor and Co-Supervisor

To  
Mr./Ms: P.S. Acharyulu Narayanam

Copy to:

The Chairperson, DRC, Department of Physics  
The Dean, Faculty of Mathematical & Physical Sciences  
The Head, Department of Physics  
The Principal, University Campus College, Krishna University, MTM  
The Special Officer, KRU Dr. MRAR PG Center, Nuzvid  
The Registrar. KRU  
The Vice-Chancellor's Table  
File

*Y.K. Sundara Krishna*  
11/04/2015  
**COORDINATOR, CRS**  
**COORDINATOR**  
**Centre for Research Studies**  
**Krishna University**  
**Machilipatnam, A.P., India - 521 001.**



**Dr.R.Kiran Kumar**

M.Tech,Ph.D

Coordinator



**CENTRE FOR RESEARCH STUDIES (CRS)**

**KRISHNA UNIVERSITY, Machilipatnam, India - 521001**

Fax : + 91-8672-225677

Mobile : + 91-9440872455

E-mail : crskru@gmail.com

Website : www.krishnauniversity.ac.in

No.KRU/CRS/Supervisor Information/2016

Dt.11.02.2016

To

N.P.S.Acharyulu (Regd. No. 1410PH101006)

Research Scholar-Ph.D (PT)

Department of Physics

Sir/Madam,

SUB: CRS-KRU-Supervisor Information, 2014-15-reg.

Ref: Vice-Chancellor Proceedings dated 30<sup>th</sup> January, 2016.

\*\*\*\*\*

I am, by direction to inform you that you are allotted to **Dr.Ch.Srinivasu, AndhraLoyola College, Vijayawada**, recognized research supervisor in the **Department of Physics**. You are requested to report to your research supervisor soon after receiving this letter and submit the hard copy of your research proposal duly signed by you and your research supervisor to the undersigned on or before 25-02-2016.

Yours sincerely

(R.KIRAN KUMAR)  
COORDINATOR

Centre for Research Studies  
KRISHNA UNIVERSITY  
MACHILIPATNAM - 521 001





**KRISHNA UNIVERSITY**  
**Machilipatnam-521004, Krishna District Andhra Pradesh**  
**Directorate of Research & Development**

**Prof. N. Usha**  
**Director**

**CONFIDENTIAL**

No.KRU/R&D/N.P.S. Acharyulu/Pre-Submission Seminar/Physics/orders/2023, Dt.02.01.2024.

To

1. Prof. M. V. Basaveswara Rao  
Dept. of Chemistry,  
Krishna University  
Machilipatnam  
Dean of Sciences
2. Prof. K.Samatha  
Dept. of Physics  
Andhra University  
Visakhapatnam  
BOS-Chairperson
3. Principal, University College of Arts & Sciences  
Krishna University  
Machilipatnam  
Head (i/c)
4. Dr. Ch. Srinivasu  
Retired, Reader in Physics,  
Andhra Loyola College, Vijayawada  
Supervisor & Convener

Sub: KRU/R&D/Ph.D/Mr. N. P. S. Acharyulu/Pre-Submission (Doctoral Colloquium) –Request-Reg.

- Ref: 1. Mr. N. P. S. Acharyulu, Admission No: 1410PH101006, Department of Physics, Krishna University, Scholar request letter dated: 18.12.2023.  
2. Notes orders of the Vice-Chancellor, Dated: 29.12.2023.

This is to inform that the above committee is constituted for conducting the Pre-Submission Seminar of Mr. N. P. S. Acharyulu, Reg. No: 1410PH101006 in the department of Physics, under the faculty **Mathematics & Physical Sciences**. The convener is requested to decide the date after consulting all the members and communicate it to the Research & Development Cell. The Pre-Submission Seminar is open to all faculty members and Research scholars of the University. The research scholar should incorporate the suggestions made during the seminar and then prepare an improved thesis as well as the synopsis.

I request you to make it convenient to conduct the above said Open Seminar and a copy of the filled-in report may be submitted to this office on the same date when the seminar is conducted.

Encl:  
Copy of Synopsis

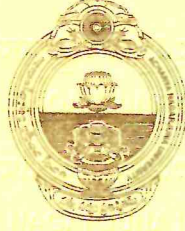
Copy to  
Members of the Committee  
P.S to Vice Chancellor  
P.A to Rector  
P.A to Registrar  
File

*Usha N*  
*02/01/2024*  
**DIRECTOR**  
**Director, Research & Development**  
**KRISHNA UNIVERSITY**  
**Rudravaram, Machilipatnam**  
**A.P. - 521 004, India**





ACHARYA NAGARJUNA UNIVERSITY  
ఆచార్య నాగార్జున విశ్వవిద్యాలయము



FACULTY OF PHYSICAL SCIENCES

*This is to certify that*

Mr./Ms. Sudhakar Yalamarthy

S/O Venkataramanarao Y

*has been duly admitted to the*

*Degree of Doctor of Philosophy*

*in this University, he/she having been declared to be qualified to receive the same with effect from* 07 April 2022

*in the Department of* PHYSICS

*Title of the Thesis :*

**Influence of Some Modifier Oxides on the Bioactive Behaviour of a Few Metal ions Doped Sodium Boro Silicate Glass System for Biomedical Applications**

*Given under the Seal of the University*

Nagarjuna Nagar-522 510,  
A. P., India

Date: **25 APR 2022**



*Vice-Chancellor*



Sl.No. 000358

THE ORIGINAL DEGREE ISSUED IN ADVANCE / IN PERSON / IN ABSENTIA  
TO .....<sup>38<sup>th</sup></sup>..... CONVOCATION  
DEGREE PRE-PREPARED AND COMPARED BY

Jr. Assistant	Sr. Assistant	Supdt.	A.R. Research Cell	Co-ordinator Research Cell
<i>Bhawan Kumar</i> 21/04/2022		<i>M. Venkateswara</i> 21/04/2022		<i>[Signature]</i> 22/04/22

NOTE : THE NAME OF NAGARJUNA UNIVERSITY HAS BEEN CHANGED AS ACHARYA NAGARJUNA UNIVERSITY THROUGH AP UNIVERSITIES (AMENDMENT) ORDINANCE, 2004 PUBLISHED IN AP GAZETTE NOTIFICATION (PART - IV - B EXTRAORDINARY), DT.24 - 01 - 2004.



Dr.R.Krishna Kumar

M.Tech, Ph.D

Co-ordinator



CENTRE FOR RESEARCH STUDIES (CRS)

KRISHNA UNIVERSITY, Machilipatnam, India - 521001

Fax : + 91-8672-225677

Mobile : + 91-9440872455

E-mail : crskru@gmail.com

Website : www.krishnauniversity.ac.in

No.KRU/CRS/Research Programme Conversion/2019

Dt: 30.04.2019

To  
Mrs.M.P.D.Parimala  
Regd.No.1410MP101008,  
Department of Physics,  
Krishna University,  
Machilipatnam.

Dear Scholar,

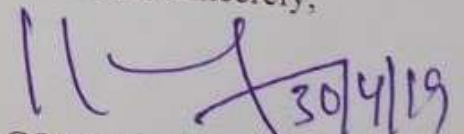
Sub: - Krishna University, Machilipatnam -Conversion of Research Programme from  
M.Phil (Part-Time) to Ph.D (Part-Time)-Orders-Issued- Reg.

Ref: - Vice-Chancellor Proceeding No.KRU/C.R.S/D.R.C/Physics/Dept/Conversion/2019  
dated: 08.04.2019.

\*\*\*\*\*

Having considered the recommendations of the Chairman, Board of studies concerned and recommendations of the Departmental Research Committee (DRC), the Hon'ble Vice-Chancellor has ordered to convert your Research Programme from M.Phil(Part-Time) to Ph.D (Part-Time) from the Academic year 2018-19. Further you are ordered to pay the prescribed conversion fee Rs.10000/- (Rupees Ten Thousand only).

Yours Sincerely,

 30/4/19

COORDINATOR (CRS)  
COORDINATOR

Centre for Research Studies  
KRISHNA UNIVERSITY  
MACHILIPATNAM - 521 001

**Dr.R.Kiran Kumar**

M.Tech, Ph.D

Coordinator

**CENTRE FOR RESEARCH STUDIES (CRS)****KRISHNA UNIVERSITY, Machilipatnam, India - 521001****Fax : + 91-8672-225677****Mobile : + 91-9440872455****E-mail : crskru@gmail.com****Website : www.krishnauniversity.ac.in**

No.KRU/CRS/Research Programme Conversion/2019

Dt: 30.04.2019

To  
Mr.K.Koteswara Rao  
Regd.No.1410MP101006,  
Department of Physics,  
Krishna University,  
Machilipatnam.

Dear Scholar,

Sub: - Krishna University, Machilipatnam –Conversion of Research Programme from  
M.Phil (Part-Time) to Ph.D (Part-Time)-Orders-Issued- Reg.

Ref: - Vice-Chancellor Proceeding No.KRU/C.R.S/D.R.C/Physics/Dept/Conversion/2019  
dated: 08.04.2019.

\*\*\*\*\*

Having considered the recommendations of the Chairman, Board of studies concerned and recommendations of the Departmental Research Committee (DRC), the Hon'ble Vice-Chancellor has ordered to convert your Research Programme from M.Phil(Part-Time) to Ph.D (Part-Time) from the Academic year 2018-19. Further you are ordered to pay the prescribed conversion fee Rs.10000/- (Rupees Ten Thousand only).

Yours Sincerely,

**COORDINATOR (CRS)  
COORDINATOR****Centre for Research Studies  
KRISHNA UNIVERSITY  
MACHILIPATNAM - 521 001**





**KRISHNA UNIVERSITY  
MACHILIPATNAM**

No/KRU/C.R.S /Physics/Dept/R.Naveen/Conversion/2020

Dt: 12.03.2020.

**Proceeding of the Vice-Chancellor**

**Present: Prof.K.B.Chandra Sekhar**

Sub:	Krishna University- Conversion of M.Phil Programme (Part-Time) to Ph.D Programme (Part-Time) -Dept. of Physics -ordered-issued-Reg.
Ref:	1. Applications received from the research scholars of Physics to convert their M.Phil. Programme to Ph.D. Programme.
	2. Departmental Research Committee (DRC) recommendations dt: 24.04.2019.
	3. Andhra Pradesh A.P.S.C.H.E, Research guidelines - 2018.
	4. M.Phil Awarded Provisional Certificates.
	5. Vice-Chancellor's ordered dated: 11.03.2020.

\*\*\*

**ORDER:**

The Vice-Chancellor has permitted the scholar of Physics department mentioned in the following table to convert his research programme from M.Phil (Part-Time) to Ph.D (Part-Time).

**Table-A**

<b>Table-A Particulars of Research Scholar of 2014-2015 batch applied for conversion of Research Programme from M.Phil (Part-Time) to Ph.D (Part-Time)-Dept. of Physics</b>				
S.No.	Reg.No.	Name of the Research Scholar	Present Programme Perusing	Change of Programme requesting
1.	1410MP101010	R.Naveen	M.Phil(Part-Time)	Ph.D(Part-Time)

Further the Vice-Chancellor has ordered to collect the conversion fee from the above said scholar as per the University norms.

(BYORDER)


  
 REGISTRAR

**REGISTRAR**  
**KRISHNA UNIVERSITY**  
**MACHILIPATNAM-521 00,**  
**ANDHRA PRADESH**

Copies to:  
 PA to Vice-Chancellor  
 PA to Registrar  
 Accounts section  
 Research Scholar  
 File

2/KR  
 12-03-2020

Dr.E.Bhavani  
M.A.Ph.D  
Director (I/c),  
Research and Development



Director (I/c) Research and Development  
KRISHNA UNIVERSITY, Machilipatnam, India - 521001

Fax + 91-8672-235677  
Mobile + 91-9491521253  
E-mail crskru@gmail.com  
Website www.krishnauiversity.ac.in

---

No.KRU/R&D/Research Programme Conversion/2020  
Dt: 02.07.2020.

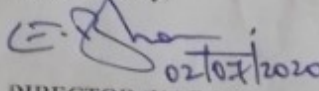
To  
Ms. K.Lakshmi  
Regd. No. 1410MP101007,  
Department of Physics,  
Krishna University,  
Machilipatnam.

Dear Scholar,

Sub: - Krishna University, Machilipatnam - Research & Development Conversion of Research Programme from M.Phil (Part-Time) to Ph.D (Part-Time)-Orders-Issued- Reg.  
Ref: - Vice-Chancellor Proceeding No/KRU/R&D/D.R.C/Physics/Dept/Conversion/2020 dated: 01.07.2020.

\*\*\*\*\*

Having considered the recommendations of the Chairman, Board of studies concerned and recommendations of the Departmental Research Committee (DRC), the Hon'ble Vice-Chancellor has ordered to convert your Research Programme from M.Phil(Part-Time) to Ph.D (Part-Time) from the Academic year 2020-21. Further you are ordered to pay the prescribed conversion fee Rs.10000/- (Rupees Ten Thousand only).

Yours Sincerely,  
  
02/07/2020  
DIRECTOR (I/c) R&D  
Director (I/c)  
Research and Development  
Krishna University

2P.K  
02-07-2020