

Chief Guest



**Prof.K.B.Chandra Sekhar**

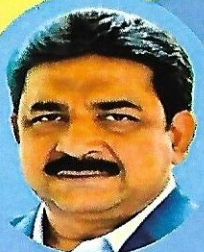
Vice Chancellor  
Krishna University, Machilipatnam.

Resource Persons



**Prof.Ratnakaram Venkata Nadh**

Professor  
GITAM Deemed to be University- Bengaluru



**Dr. D. Ramachandran**

Associate professor  
Acharya Nagarjuna University- Guntur

**REGISTRATION FORM**

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Qualification: \_\_\_\_\_

Institution: \_\_\_\_\_

Professional Experience: \_\_\_\_\_

Address for Correspondence with email &

Phone no: \_\_\_\_\_

**Declaration**

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the programme.

Place: \_\_\_\_\_  
Date: \_\_\_\_\_ Signature of the Applicant

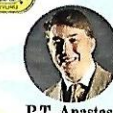
Registration Fees:

- |                             |        |
|-----------------------------|--------|
| 1. Student                  | Rs.100 |
| 2. Faculty/Research Scholar | Rs.200 |
| 3. Industry Experts         | Rs.300 |

Spot Registration

Think like a Proton and Stay positive

ADUSUMILLI GOPALA KRISHNAIAH & SUGARCANE GROWERS  
SIDDHARTHA DEGREE COLLEGE OF ARTS & SCIENCE  
Vuyyuru, Krishna(Dt), A.P - 521165  
Autonomous College, Accredited with Grade 'A' By NAAC  
Website: www.agsc.edu.in



P.T. Anastas



J.C. Warner

One Day National Seminar  
On

**"Green Chemistry for Better Environment"**

On Wednesday, 30<sup>th</sup> March 2022

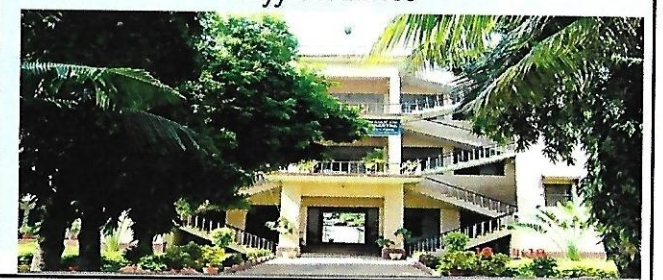
(NSGCBE - 2022)

Sponsored by

Siddhartha Academy of General and Technical  
Education (SAGTE)

Green Chemistry for Better Environment

Organized by  
**Department of Chemistry**  
in Association with IQAC  
AG & SG Siddhartha Degree College  
of Arts & Science(Autonomous)  
Vuyyuru-521165



## About the College

The AG & SG Siddhartha Degree college of Arts & Science is an autonomous academic institution of higher learning located at Vuyyuru, 25 KM from Vijayawada in Krishna District A.P. This College was established in 1975 to take education to the door steps of the rural people of this area. Since its inception the college has been catering effectively to the educational needs of the local asperents besides fostering values to shape students into discipline and responsible citizens. In tune with the momentum of changing trends in education at national and international levels.

The college has adopted the programmes in arts and science disciplines. At present the college is offering ten under graduate programmes of B.A, B.Com, B.Com(C.A, E-Commerce-Computers) B.Sc(MPC, MPCs, MSCs, MCCs), BZC, Acqua Culture and three Post Graduate Programmes of MSc Chemistry, MSc Computers and M.Com. The College has well furnished class rooms, A library with more than 60000 books, over 100 journals and magazines, Fully equipped laboratories, Digital lab, RUSA Digital lab, Virtual Classrooms, English language lab, Internet facilities, well maintained indoor and outdoor stadium cum auditorium, Gymnasium and a playground.

The staff works with dedication and renders service to secure creditable results. The management involves actively in every aspect of students, progress and career to prepare the youth of this rural area for a bright future in this globalised world besides imparting knowledge and skills that make them highly qualified human resources and to make them responsible citizens.

The college has been assessed and accredited with Grade 'A' CGPA of 3.05 by the National Assessment and Accreditation Council (NAAC). The College has been certified with the ISO-9001:2015

## About the Department

The department of Chemistry was started in the year 1975. A.G & S.G Siddhartha Degree College offers an undergraduate programmes and 2009 we started M.Sc organic chemistry. The department has well qualified faculty and good laboratory facilities. All the laboratories are well equipped with start of the art experimental sets, both in quality and quantity. The Department has conducted several National level Seminars, Webinars, FDP's and Workshops.

### Venue:

Seminar Hall, AG & SG Siddhartha Degree College of Arts & Science, Vuyyuru

## Objective of the Seminar

Green Chemistry is the design of chemical products and processes that reduce or eliminate the use and/or generation of hazardous substances. Green Chemistry also defined as the practice of chemical science and manufacturing in a manner that is sustainable, safe, and non-polluting and that consumes minimum amounts of materials and energy while producing little or no waste material.

The principles of green chemistry conference are mainly aimed to Prevention, Atom Energy, Less hazardous chemical synthesis, Designing safer chemicals, Safer solvents and auxiliaries, Design for energy efficiency, Use of renewable feedstocks, Reduce derivatives, Catalysis, Design for degradation, Real-time analysis for pollution prevention, Inherently safer chemistry for accident prevention. This conference is aimed at eco-friendly and sustainable systems.

The future of Green chemistry is to problem solving approaches on environment and indeed essential to control, regulate and reduce the pollution and emission. The conference will provide a unique opportunity for researchers to gain valuable advice and discuss broader knowledge on cleaner and sustainable environment for living. The conference will also enlighten the participants with the latest innovations through plenary lectures.

## Purpose of the Seminar

This Seminar aims at providing a forum for members of the reasearch and academic community to give awareness on recent techonologies and develop the utilization skills of faculty and students. Each season is enriched with the well experienced resource person who has greate skill set in Green Chemistry for Better Environment. Today's world is changing with globalization.

## Call for Abstracts

Abstracts are invited for presentation covering the areas mentioned above. The Abstract should not exceed 200 words. The text should be typed in Times New Roman Font Size 12 points, with single spacing in MS-Word file format. It must carry name, designation, address of the authors. The abstract can be sent to the following email id [chemistryseminar2022@gamil.com](mailto:chemistryseminar2022@gamil.com) on/or before 28<sup>th</sup> March, 2022.

## Chief Patrons:

Dr.C.Nageswara Rao, President (SAGTE)

Sri.P.Lakshmana Rao, Secretary (SAGTE)

Sri.S.Vekateswara Rao, Treasurer (SAGTE)

Sri.T.Srihari Rao, Convenor of the College

Prof.L.K.Mohan Rao, Academic Adviser (SAGTE)

## Patron:

Sri.K. Satyanarayana, Principal

(AG & SG Siddhartha Degree College of Arts & Science)

## Organizing Convenors:

Sri. K.Ramesh

(HOD of UG Chemistry)

Dr. V.Sreeram

(HOD of PG Chemistry)

## Program Coordinators:

Dr. G.Giri Prasad

(7306338916)

Sri. J.Nageswara Rao

## Organizing Secretary:

Sri. V.N.V. Kishore

(9705018967)

Smt.M.V.Santhi

## Organizing Committee:

Sri. P.Suresh

Ms. M.Santhi

Smt.Dilshad Begum

Ms. M.Rekha

For more information E-mail to  
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[chy.agsgsc@gmail.com](mailto:chy.agsgsc@gmail.com)

**A.G & S.G. Siddhartha Degree College of Arts & Science (Autonomous)  
Vuyyuru, Krishna District, Andhra Pradesh**



**One Day National Seminar on  
“Green Chemistry for Better Environment”**

**Sponsored by SAGTA March 30, 2022**

**Organized by  
Department of Chemistry**

**Program Sheet**

<b>Inauguration</b>	
10:00am	Inviting the guests on to the dais by Smt. M.V. Shanthi, Lecturer in Chemistry.
10:05am	Prayer
10:10am	Lighting the Lamp by <b>Prof.K.B. Chandra Sekhar</b> , Vice Chancellor Krishna University
10:15am	President's opening remarks by <b>Sri.K.Sathyanarayana</b> , Principal.
10:20am	Address by <b>Sri. T. Srihari Rao</b> , Convenor, A.G & S.G.Siddhartha College
10:25am	Introduction of Seminar by <b>Sri. K. Ramesh</b> , HOD, UG Department of Chemistry.
10:30am	Address by <b>.Dr.V.SREERAM</b> , HOD, PG Department of Chemistry.
10:30am-11:30am	Address by Chief Guest <b>Prof.K.B. Chandra Sekhar</b> , Vice Chancellor Krishna

	University
11:35am	President's Closing Remarks (Sri.K.Sathyanarayana)
<b>TEA BREAK</b>	
Second resource person:- 11.45 – 1.00 pm	Prof. Ratnakaram Venkata Nadh., Professor In chemistry GITAM Deemed to be university-Bengaluru
<b>Lunch Break: 1.00 pm-2.00 pm</b>	
Third resource person:- 2.00 – 3.00 pm	Dr.D. Ramachandran., Associate Professor In chemistry Acharya NagarjunaUniversity. Guntur.
Fourth resource person:- 3.00 – 4.00 pm	Dr.D. Ramasekhar Reddy., Associate Professor In chemistry Krishna University, Machilipatnam

**Valedictory Function**

<b>4.00-5.00 pm</b>	<b>Dr.D. Ramasekhar Reddy.,</b> Associate Professor In chemistry Krishna University, Machilipatnam
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**A.G & S.G. Siddhartha Degree College of Arts & Science  
(Autonomous)**

**Vuyyuru, Krishna District, Andhra Pradesh**  
One Day National Seminar on

**“Green Chemistry for Better Environment”**

Sponsored by SAGTA March 30, 2022

Organized by  
Department of Chemistry



The Department of Chemistry organized a one-day National Seminar on “*Green Chemistry for Better Environment*” on 30<sup>th</sup> March 2022. The seminar was greatly useful in throwing light on those concepts which were difficult to learn in the regular classroom. The expertise of the Resource Persons helped the students to understand the various concepts in the realm of Green Chemistry and a Better Environment.



**Prayer song by final B.Sc Student**

The Seminar commenced with the Lighting of Lamp by Prof. K.B. Chandrasekhar (Professor, Vice-Chancellor, Krishna University, MTM), Sri. K. Satyanarayana (Principal), Prof. L.K Mohan Rao (Academic Adviser Siddhartha Academy of General and Technical Education) Prof.R.VenkatNadh(Professor, GITAM Deemed to be University Bengaluru Campus), Dr. D. Ramachandran(Associate Professor ANU Guntur), Dr. D. Rama Sekhar Reddy (Associate Professor Krishna University MTM), Sri K. Ramesh (Organizing Secretary) & members of the seminar. The program was started with Vandemataram.



**Lighting the Lamp**

Sri K. Satyanarayana, in his Presidential remarks, said that the program was a great opportunity for the students to learn a new concept in green chemistry. This could be categorized under the student exchange program. He said he would be looking forward to hearing the feedback of the students in the evening.



**Presidential Remarks by Sri K. Satyanarayana,**

Sri K. Ramesh requested the participants to the expertise of the Resource Persons in the different sessions of the seminar.



**About the seminar by Sri. K. Ramesh**

Prof. L.K Mohan Rao (Academic Adviser) said that A.G. & S.G.S. College Committee was always ready to promote such learning initiatives and felt that the seminar would give a

chance to learn the latest developments in the subject of green chemistry. In A.G. & S.G.S. College, he said, “such events are felt as highly valuable”. He felt that the Department of Chemistry was making the College proud by organizing such a seminar.



**Prof. L.K Mohan Rao (Academic Adviser) talk**

The Inaugural Session concluded with a Vote of Thanks by Sri J.Nageswara Rao.



**Vote of Thanks by Sri J.Nageswara Rao**



## Technical session -I

The Lecture seminar contained altogether 4 (Four) invited talks distributed among 4 resource persons in various sessions.

In the first session of the speaker, Prof. K.B. Chandrasekhar (Professor, Vice-Chancellor, Krishna University, MTM) delivered a talk – Definition and Introduction, History of green chemistry, Benefits of green chemistry, uses of green chemistry. He discussed various questions in green chemistry with the participants. There was also good participation from the student's side, making the session very interactive towards the ending of the session



**Lecturer session by Prof. K.B. Chandrasekhar (Professor, Vice-Chancellor, Krishna University, MTM)**



**Prof. K.B. Chandrasekhar**

**Technical session -II**

In the second session of the speaker, Prof. R. VenkatNadh (Professor, GITAM Deemed to be University Bengaluru Campus) delivered a talk—Definition and Introduction, Sustainability, Go Green Strategy, Green technology, Goals of Green technology, green technology involvement, types of green technology, green building, green roof, Importance of Green Chemistry in Nanotechnology, Green chemistry education, twelve principles of green chemistry and New synthetic strategies non-classical organic synthesis. He discussed various questions in green chemistry with the participants. There was also good participation from the student's side, making the session very interactive towards the ending of the session.



**Lecturer session by Prof. R. VenkatNadh**



**Felicitation to Prof. R. Venkat Nadh**

### **Technical session -III**

In the third session of the speaker, Dr. D. Ramachandran (Associate Professor ANU Guntur) delivered a talk– Integrated Wastewater Reuse Management for Sustainable Agriculture Development: A Green Technology Approach-.Introduction, Importance of the research, Health risk, Objectives of the research, Methodology, Results, Discussion, Policy implication, and Conclusions. He discussed various questions in green chemistry with the participants. There was also good participation from the student's side, making the session very interactive towards the ending of the session.



**Lecturer session by Dr. D. Ramachandran**



#### **Technical session -IV**

In the fourth session of the speaker, Dr. D. Rama Sekhar Reddy (Associate Professor Krishna University MTM) delivered a talk–Benefits of Chemistry, the understanding chemical phenomenon in our life, Chemistry and covid-19, chemistry in green Technology, chemistry in garlic, Chemistry Elements in a Human Body, benefits pf the chemical industries, Green Chemistry is Sustainable and Impact of Industrialization of Environment and Human Health. He discussed various questions in green chemistry with the participants. There was also good participation from the student’s side, making the session very interactive towards the ending of the session



**Felicitation to Dr. D. Rama Sekhar Reddy**

### **Valedictory function**

Making the session very interactive towards the ending of the session The Unique feature of the seminar is attracting many young students and staff members. As nearly 106 students and 22 faculty members from different institutions have voluntarily come forward to participate in the seminar.

A discussion cum feedback session was arranged on the one day of the seminar. The feedback was highly positive indicating further that the four sessions were informative as well as interactive. The resource persons addressed the participants and motivated them to undertake research in the field of green chemistry. The seminar ended with a valedictory function as a chief guest Dr. D. Rama Sekhar Reddy (Associate Professor Krishna University MTM).





Certificate distribution to faculty and students



Feed back of Faculty by Smt A.Indira ,GDC,Dumpagadapa



The valedictory session concluded with a vote of thanks by Sri. K. Ramesh and it was concluded with the National Anthem.

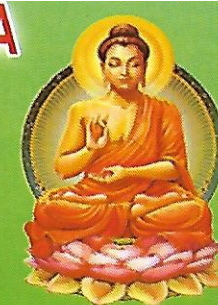
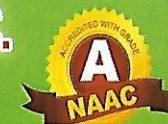
We thank the management of Siddhartha Academy of General and Technical Education for the financial support for the seminar. We also thank the teaching and non-teaching staff of our college, print & electronic media. The student volunteers from the department of chemistry made this event successful and I thank them for their co-operation and hard work.



**Vote of thanks by Sri. K. Ramesh**



**ADUSUMILLI GOPALAKRISHNAIAH & SUGARCANE GROWERS SIDDHARTHA  
DEGREE COLLEGE OF ARTS AND SCIENCE, VUYYURU, KRISHNA DT, A.P -521165.  
AUTONOMOUS COLLEGE, ACCREDITED WITH GRADE 'A' BY NAAC.**



## CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Mrs./Ms. \_\_\_\_\_

from \_\_\_\_\_ has participated/delivered an  
invited talk entitled \_\_\_\_\_ in  
one Day National Seminar on "GREEN CHEMISTRY FOR BETTER ENVIRONMENT (NSGCBE-2022)"  
Organized by the Department of Chemistry, A.G & S.G Siddhartha Degree College of Arts & Science  
(Autonomous), Vuyyuru on 30<sup>th</sup> March, 2022.

  
K. Ramesh

(Organizing Secretary - NSGBE 2022)

  
Dr. V. Sreeram

(Convenor - NSGBE 2022)

  
K. Satyanarayana

Principal

# A.G & S.G. SIDDHARTHA DEGREE COLLEGE VUYYURU

## DEPARTMENT OF CHEMISTRY

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