



Newsletter (2021-2022)

Department of Chemistry JNTUH University College of Engineering, Kukatpally, Hyderabad (T.S.) – 500085 INDIA.



Greetings from Department of Chemistry, JNTUH.

The Department of Chemistry was established at the inception of the Jawaharlal Nehru Technological University Hyderabad. The Department of Chemistry has become one of the important science departments of the University. The department also has dedicated and enthusiastic group of faculty members involved in research activities at the Ph.D level. The areas include Synthetic Organic Chemistry, Spectroscopy, Inorganic Metal-Complexes, Analytical Chemistry and Natural Products of Biological importance. The department has grants from CSIR, UGC. The Department of Chemistry stood as one of the highly prolific institutions carrying research in organic chemistry from 2010 to till today.

VISION:

The Department is committed to raise the intellectual tone of the young students in understanding and incorporating the basics of rapidly progressing changes in the fields of Science & Technology, with an objective of enhancing their competence by applying their proficiency and skill for industrial and economic development by creating better living environment in the society.



Dr. B. Rama Devi,
Professor & Head
Dept. of Chemistry, JNTUH.

MISSION:

- To identify, scientifically evaluate and implement proven, prevention-oriented, forward-looking solutions to critical scientific and technological problems.
- To make technology a principal instrument of economic development of the country and to improve the quality of life of the people through technological education, innovation, research, training and consultancy.
- The Department has a small but enthusiastic group of Teaching Faculty who has taken to teaching of Chemistry and Chemical research wholeheartedly. The Department has good laboratories and infrastructural facilities with financial inputs from the University, the College, the UGC and CSIR.

THE GOALS:

- To strengthen the edifice of Engineering and Technological Education on the four pillars teaching, research, training and consultancy.
- To play the lead role in harnessing and developing human resources towards economic, industrial, management through Chemistry.
- To attain technical excellence.
- To stimulate, support and collaborate in R & D efforts with industry.
- To pioneer and actively participate in evolving appropriate technologies.
- To develop native genius for the development of rural India.
- To adhere to the ethics of instruction.






INNOVATIVE PRACTICES ADOPTED:

- ❖ To incorporate field experiences and field problems in lectures.
- ❖ To involve students in consultancy projects.
- ❖ To give practical oriented live projects for students as their project works.
- ❖ To take students to sites where some important and latest techniques are used to give latest technology exposure to students.
- ❖ To arrange guest lecturers of well-known researchers from various institutes across the globe for the benefit of the students

Courses offered by Dept. of Chemistry during 2018-19:

1. B.Tech – I year – Applied Chemistry (all branches)
2. B. Tech – II Year – Analytical & Organic Chemistry (Chemical Engineering)
- 3.. M.Sc. Chemistry (Drugs & Pharmaceuticals)

Faculty of the Department

S.No	Name	Designation	Photo
1	Dr. Bhoomi Reddy Rama Devi	Professor	
2	Dr. Aparna Pasula	Assistant Professor	
3	Dr. Thatituri Sabithakala	Assistant Professor	
4	Prof. M. Thirumala Chary	Professor & Head of the Department	
5	Dr. Taduri Ashok Kumar	Assistant Professor (C)	

FACULTY ACHIEVEMENTS:

Number of Ph.Ds awarded during 2021-22:

Dr. B. Rama Devi:

S.No.	Name of the PhD scholar	Name of the Department	Year of registration	Year of award of the PhD
1.	V. Nagi Reddy	Chemistry	2015	2022

Number of Books Published during 2021-22:

Dr. B. Rama Devi, Dr. P. Aparna & Prashant Rath	A Text Book of Engineering Chemistry	2022	Cengage Publications
Dr. B. Rama Devi & Dr. P. Aparna	Lab Manual of Engineering Chemistry for Ist Year B.Tech Students & M.Sc. Students	2022	S. Chand Publications

Papers Published during 2021-22:

Dr. B. Rama Devi, Professor & Head

1. Practical and Efficient Route to Dolutegravir Sodium via One-Pot Synthesis of Key Intermediate with Controlled Formation of Impurities, [K. Srinivasachary](#), [D. Subbareddy](#), [C. Ramadas](#), [S. K. K. Balaji](#), [Y. S. Somannavar](#) & [B. Rama devi](#), *Russian Journal of Organic Chemistry*, volume 58, pages 526–535 (2022).
2. Ultrasound Assisted α -Arylation of Ketones: A Rapid Access to Isoquinolinone Derivatives, [Venkateswara Rao Sangepu](#), [Deepika Sharma](#), [Rapolu Venkateshwarlu](#), [Rama Devi Bhoomireddy](#), [Kirti Kumar Jain](#), [Dr. Rambabu Dandela](#), *Chemistry Select*, Volume 7, issue 40, 2022.

Conferences organized:

1. As CRC Chairperson, arranged Life Skills Program to B. Tech I year students as a part of “**Induction Program**” – Step Up Your Career by Arjuna Group of Industries during March, 2022 to June 2022 on all Saturdays.
2. Conferences conducted “One day faculty development programme on the occasion of **Golden Jubilee Celebration RALCS – Recent advances in learning chemical sciences** on 29th April 2022.



Organizers of RALCS – One Day Online FDP on
Recent advances in learning chemical sciences, 29th April, 2022.



Organizers of RALCS – Recent advances in learning chemical sciences

Highlights:

- The one-day faculty development program on Recent Advances in Learning Chemical Sciences (RALCS-2022) was attended by around 40 participants from various institutions and industries in which around 30 participants registered for the program.
- The program conducted in online mode using Google meet platform.
- All participants were given their feedback immediately after the sessions and all those participants were awarded by the digital certificate of participation.

3. A one week training programme STUTI (**STUTI – Synergistic training program utilising the scientific and technological infrastructure**) on R & D equipment in association with NIT, Warangal and IST, JNTUH from 18th to 24th April 2022.



STUTI – Synergistic training program utilising the scientific and technological infrastructure



STUTI -Synergistic training program utilising the scientific and technological infrastructure



Inauguration of STUTI

Highlights:

- **STUTI** -Synergistic training program utilizing the scientific and technological infrastructure was organized in collaboration with NIT, Warangal.

Dr.T.Sabithakala, Asst. Professor:

Value added courses attended:

Webinar on “Academic Research Integrity in the Context of NEP-2020” on 30th June, 2022. UGC- HRDC, JNTUH.

S.No	Name of the Course / Summer School	Place	Duration	Sponsoring Agency
1.	One-Week Online STTP on "Novel Materials and Energy Storage Devices for Environmental and Health Care Applications"	Online	24/01/2022 to 31/01/2022	AICTE, New Delhi, VNR VJIET, Hyderabad and UGC-HRDC, JNTUH, Hyderabad
2.	Two-Week Refresher Course on "Current and Future Prospects of Drug Discovery and Delivery Approaches"	Online	21/02/2022 to 07/03/2022	UGC-HRDC, JNTUH, Hyderabad
3.	One day online FDP on, Recent Advances in Learning Chemical Sciences (RALCS -2022)	Online	April 29th, 2022,	Department of Chemistry Jawaharlal Nehru Technological University Hyderabad, University College of Engineering, Kukatpally (Telangana), Hyderabad

List of Conferences and seminars conducted:

1. UGC sponsored one- week online short term course on “Advanced Applied Chemistry and Engineering Materials”, 12-09-2022 to 17-09-2022.
2. Resource person for Hands on experience of Fluorescence in 7-day program on DST supported R&D equipment through Hands-on experience , DST STUTI-21, JNTUH, 18-24th April, 2022.

Dr. P. Aparna, Asst. Professor:

List of Conferences and seminars conducted:

1. One week online short term course on “Modern methods in organic synthesis and analytical techniques from 30-08-2021 TO 06-09-2021.
2. UGC sponsored one- week online short term course on “Advanced Applied Chemistry and Engineering Materials”, 12-09-2022 to 17-09-2022.

Dr. T. Ashok Kumar:

Papers presented in a conference:

1. Green Catalysis: Synthesis and anti-cancer evaluation of some new 2-heterostyrylbenzimidaoles using triacetylborate-Glycerol, **One day online FDP on, Recent Advances in Learning Chemical Sciences (RALCS-2022)**, 29th April, 2022.

Awards & Honors:

Dr. Ch. Venkata Ramana Reddy, Professor of Chemistry received “**State Award to Meritorious Teacher**” by Telangana State Government for 2021-22.

BoS Conducted during 2021-22:

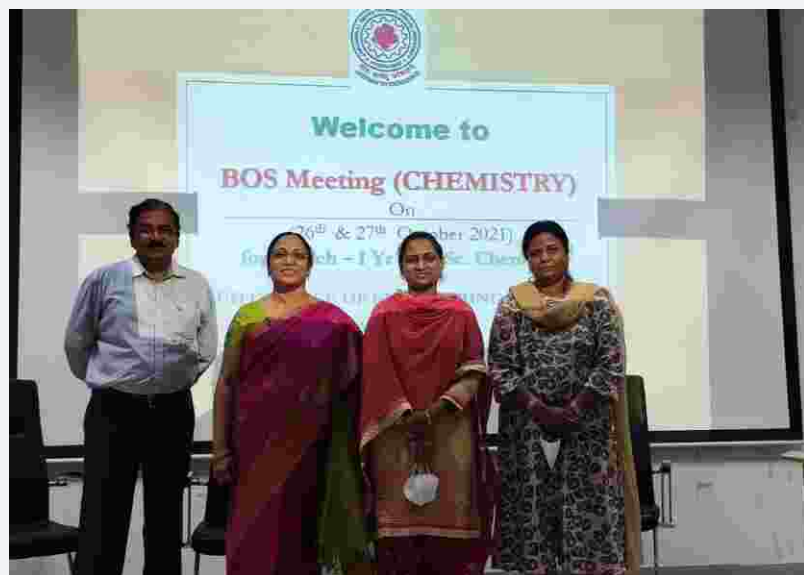
A BoS in Chemistry meeting held on 26th October 2021.

Minutes of Meeting of Board Of Studies in Chemistry held on 26th October 2021:

A meeting of Board of Studies in Chemistry is held on 26th October, 2021 in the Seminar hall of CRC building, JNTUH CEH to discuss possible revision of syllabus of B.Tech I Year Course work.

The following members have attended the meeting:

1. Dr. B. Rama Devi,	Professor and Head	Chairperson
2. Dr. Nand Kishore	Professor of Chemistry, IITB	Member
3. Dr. V. Rajeshwar Rao	Professor of Chemistry, NITW	Member
4. Dr. T. Sabithakala	Asst. Professor of Chemistry	Member
5. Dr. B. Srinivasa Reddy	Asst. Professor of Chemistry	Member
6. Dr. V. Lakshman Rao	Vice president, MYLAN Labs	Member
7. Dr. P. Leelavathi	Professor of Chemistry, GU	Member
8. Dr. Ch. Venkata Ramana Reddy	Professor of Chemistry	Member
9. Dr. M. Thirumala Chary	Professor Emeritus	Member
10. Dr. A. Jayasree	Professor & Head of Chemistry, CST,IST	Member
11. Dr. P. Aparna	Asst. Professor of Chemistry	Member



Members of BoS in Chemistry 2021-22



Seminar Classes to M.Sc. Chemistry (Drugs & Pharmaceuticals):



Lab session to M.Sc. Chemistry (Drugs & Pharmaceuticals)