



# DEPARTMENT OF CHEMISTRY

## UNIVERSITY COLLEGE OF SCIENCE

(OSMANIA UNIVERSITY)

ACCREDITED BY NAAC WITH 'A+' GRADE



Osmania University, the glorious seat of higher learning established 100 years ago, has Chemistry Department as an integral part of the esteemed institution in its stride all through these years since its inception. Chemistry Department currently with 39 faculty members derives its strength from the core values of visionary founders, nurturing hands of eminent educationists at the inception who laid the platform to bring highest quality education to the reach of one and all. Eminent teaching fraternity of the yesteryears along with successful Alumni made immense contributions in the journey of this august institute and it is equally matched by the earnestness of the current academic community and vibrancy of young researchers to continue the legacy and take it to the next level.

## **ABOUT THE DEPARTMENT**

The Department of Chemistry, one of the oldest and biggest departments of Osmania University has a glorious history of 100 years. It was founded in the year 1917 as an undergraduate (B.Sc) teaching institution. From 1928 onwards, the department started offering M.Sc. in chemistry along with B.Sc degree. Since then, the Department has grown with time by introducing specializations in Inorganic, Organic, Physical, Physical organic, Analytical, Pharmaceutical, Pharmaco Informatics, Five Year integrated M.Sc in addition to the undergraduate B.Sc. teaching programme with Chemistry as one of the optional subjects (in constituent & affiliated colleges under OU). In 2000 M.Sc Forensic Science has been introduced. Currently Osmania University has 6 constituent colleges viz., Nizam College, University College for women, University College of Science, Saifabad, OU PG College, Secunderabad, 3 PG Centres at Mirzapur (Medak district), Jogipet and Narasapur, about 60 private and Government affiliated colleges offering M. Sc Chemistry and 250 degree colleges offering B. Sc courses.

The departmental library holds nearly 11,000 text books, 5 foreign and national journals and houses nearly 1000 theses in chemistry including organic, inorganic and physical chemistry. The library provides reprographic facilities on payment basis and also caters to the needs of allied subjects who are enrolled as members.

Research activity in the Department started on a modest scale in 1935 under the guidance of Professor M. Qureshi, Professor of Physical Chemistry and the then Head of the Department. Research was mainly in the fields of photochemistry, colloids, magnetic susceptibility measurements, kinetics of solvolytic reactions and electrochemistry. At that time, the department was housed in temporary buildings which are now a part of college of technology. The department was shifted to its present premises in 1947 and has adequate accommodation for teaching and research activities in various branches of chemistry. Prof. Syed Hussain, Professor of Inorganic Chemistry was the Head of the Department from 1947 to 1953. The Department is research centre since 1952 onwards catering its services to support research activity in respective areas under pioneered supervisors. The Department is statutory body for research centers such as Indian Institute of Chemical Technology, Hyderabad, Dr. Reddy's Laboratories, Hyderabad etc.

Prof N V Subba Rao took charge as Head of the Department in 1953 and during his tenure as Head (1953-1976) the department made rapid progress in all the branches of Chemistry- Organic, Inorganic and Physical. After the sad and sudden demise of Prof. N. V. Subba Rao who was the Head of the Department of Chemistry and Principal, University College of Science, OU in 1976, Prof. V. R. Srinivasan, Senior Professor in the department took charge as principal of the college and Prof. T. Navneeth Rao assumed the charge as the Head of the Department. Under their leadership teaching activity of the Department increased several fold. Prof. T. Navneeth Rao relinquished office as Head in 1979 and became Rector in 1983 and latter Vice- Chancellor in 1985. The department has flourished in the rich traditions set earlier by Prof. N. V. Subba Rao and Prof. T. Navneeth Rao and carefully nourished by latter heads of the department whose list along with file photographs has been disclosed. From November 2023 onwards the department is headed by Prof. B Manohar.

Currently the department has a total of 39 faculty members, 26 of them along with 13 Professors, 2 Associate Professor and 24 Assistant Professors which includes two Assistant Professors recruited under UGC-Faculty Recharge Programme and two Assistant Professors of the MSc Forensic Science (Self-finance course) seated at main campus, University College of Science. Eighteen of the faculty members are placed at various constituent colleges viz., Engineering College(1), College of Technology(2), Nizam College(2), University College for Women(5), University College of Science- Saifabad(7), Hyderabad and Post Graduate College, Secunderabad(1).

The class-room teaching and laboratory training are well planned and executed by the expert faculty of the department incorporating latest developments in the areas of Chemistry. The laboratories possess equipment like Powder XRD, Absorption & Emission Spectrophotometer, UV and fluorescence Spectro-photometers, FTIR, Electrochemical workstation, HPLC, Rotary evaporators, Fume Hoods, C,H,N Analyser, Thermo gravimetric balance, Polarographs and Flash Photolysis instruments along with simple analytical instrumentation. The students are meticulously trained in theory as well as in experiment in the practical classes.

Almost all the staff members are directly involved in both teaching and research. Apart from the regular activities, the faculty of the Department are actively involved in collaborative research and teaching with Department of Physics, biochemistry, microbiology, Genetics, CPMB, Botany, Zoology and research organisations. In the last five years, the department has

been awarded with 19 major research projects by UGC-CSIR, DST, DBT and various funding agencies worth 5 crores. The department also received financial assistance of 3.5 crores from DST-FIST, UGC-SAP, UGC-CPEPA and DST-PURSE. The department has published 1000 publications with an impact factor ranging from 0.6-9.4, given >600 guest/invited lectures in the last 5 years. The faculty members are awarded with FRSC, Cchem, Eur.Chem, C.Sci, TAS fellowships. Govt. of Telangana awarded Best Teacher award to Prof. M. Vithal in 2016 and Prof Vijullatha and Prof. B.Sathyaranayana is appointed as Committee Member -UGC regulations for maintainance of standards in higher education in July 2017. Prof M Vithal, Prof Shivraj and Prof D Ashok are granted with UGC-BSR fellowship under Department of Chemistry in August 2017-2023.

Heterocycles, Isolation of Natural products, Medicinal and Green Chemistry, Organometallics,, Bioinorganic Chemistry and DNA binding studies of metal complexes, Nanomaterials, Photocatalysis, Biomass valorisation, Computational Chemistry, Molecular modeling and drug design are major areas of research. In near future, it is planned to focus on synthesis of bioactive natural products, design, synthesis and DNA interactive studies of heterocycles, study of bioactive transition -metal complexes and their thermodynamic properties, conductive and thermoelectric power studies of Cu-Cd ferrites, Zn ferrites, experimental and computational study of photochromic molecular sensors, bionanomaterials, Dye sensitized solar cells and molecular modeling of various signaling protein molecules.

The faculty are also involved in giving guest lectures, serving as selection committee members, governing body members, subject experts and as resource persons for conducting seminars, conferences and workshops in Osmania University, its constituent and affiliated colleges as well as at other state Universities and other research institutions. Many of the senior faculty are involved in administration as Vice Chancellors, Registrars, Directors, Controller of examinations, Principals, Deans, Coordinators, President, Secretaries, etc., of OUTA(Osmania University Teachers Association), TFUTA in various capacities thus helping the University to run smoothly.

It is necessary to strengthen the existing facilities to create an environment that facilitates quality education and research matching the best in the country. By offering specialized training on instrumentation and methodologies one can impart knowledge to students that meets current technological needs of industry and society. This would enable us to progress our journey towards our goals brought out in our mission statement.

Chemistry Department at University College of Science, Osmania University currently with 21 faculty members derives its strength from the core values of visionary founders, nurturing hands of eminent educationists at the inception who laid the platform to bring highest quality education to the reach of one and all. Eminent teaching fraternity of the yesteryears along with successful Alumni made immense contributions in the journey of this august academic seminary and it is equally matched by the earnestness of the current academic community and vibrancy of young researchers to continue the legacy and take it to the next level.

The Department marches ahead with continued efforts and the vision of disseminating knowledge in order to accomplish the mission of shaping the future generation with heightened intellect, proficient skills, scientific temper, catering to the needs of the society and nation.

## **VISION AND MISSION**

### **The Vision**

The Vision of the University is to generate and disseminate knowledge through a harmonious blend of ancient and modern wisdom, and to serve the society by developing in students heightened intellectual, cultural, ethical, and humane sensitivities; to foster a scientific temper, and to promote professional and technological expertise. Central to this vision is a commitment to regional and national development in consonance with our culture, heritage, and environment.

### **The Mission**

- To achieve excellence in teaching and research.
- To meet the challenges of a complex, and modern society through informed social outreach.
- To empower through knowledge and information.
- To develop, enhance, and improve the quality of human resources.
- To cultivate resolute moral and ethical values.
- To meet contemporary regional and national needs and anticipate future social and economic development.
- To preserve and promote cultural heritage, humanistic and spiritual values.

## Milestones of the Department

Chemistry Department Estd. 1917	
<i>M.Sc (Started. 1928 )</i>	<b>Post Graduate - 2 Year Course</b>  Specialization: Organic, Inorganic & Physical Chemistry and Forensic Science  <b>Students intake/year 30+20+20 +20 (90/Yr)</b>
<i>M.Sc (in 2000)</i>	<b>Forensic Science (Students intake: ~30/Yr</b>
<b>Current Status</b> <ul style="list-style-type: none"><li>• <b>6 Constituent colleges</b></li><li>• <b>3 PG Centres at Mirzapur (Medak district), Jogipet and Narasapur,</b></li><li>• <b>60 Private &amp; Govt. affiliated colleges offer M. Sc Chemistry</b></li><li>• <b>250 Degree colleges offer B. Sc. Course</b></li></ul>	
<i>Ph.D (Started 1950)</i>  <b>2011-21</b>	<b>4-5 Years along with 1 year course work</b>  <b>Sponsorships</b>  Department constantly receives grants from UGC, DBT, DST and CSIR both department wise (DST-FIST, UGC-SAP, UPE-FAR and DST-PURSE) as well as through individual faculty projects. The recent grants of the faculty from various funding agencies.  <i>DST-FIST grant in two phases</i>

## ACADEMIC PROGRAMMES OFFERED

<b>1</b>	<b>Ph.D Program</b> <b>( 3-5 Years along with 1 year course work)</b> Program Code: 540 Approved Intake: As per the vacancies available with the supervisors	<b>~1950</b>
<b>2</b>	<b>Post-Graduate - 2 year course</b> <b>M.Sc. Chemistry</b> <i>(Organic, Inorganic and Physical)</i> <i>Intake of Students/Year</i> <i>Each (30+30+30) (90 per Year)</i> <b>M.Sc. Forensic Science</b> <i>(Intake 30 per year)</i> Program Code: 503	<b>1928</b> <b>2000</b>
<b>*M.Sc. Syllabus (CBCS) has been revised in June, 2016 &amp; Again in June, 2023 with 80 credits</b>		

# **DEPARTMENT OF CHEMISTRY, UCS, OU**

## **FACULTY INSERVICE**

### **1. Dr. Basude Manohar M.Sc., Ph.D**

*Professor of Physical Chemistry*

*E-mail: manoharbasude41@gmail.com Ph.No. 9885404162*

Dr. B. Manohar is a Ph.D. in Chemistry (Heterogeneous Catalysis) with one year post doctoral research experience at the University P.et.M. Curie, Paris, France and has completed M.Sc. (Physical Chemistry) from Osmania University in the year 1987. He joined Osmania University on 20th August, 1997 as Assistant Professor and is currently the President of Osmania University Teachers Association. He has twentyfive years of teaching and research experience. He has 33 publications in reputed journals and 2 patents to his credit. He has completed one research project. He has held several academic and administrative positions. Presently he is working as Professor in Department of Chemistry. His research interest is synthesis of un promoted, promoted and supported vanadium phosphorus oxide based catalysts and their characterization by using techniques like XRD, ESR, FTIR, DTA, surface area and acidity measurements. The evaluation of synthesized catalysts for 2-methylpyrazine and 3-picoline ammonoxidation reaction of commercial significance. Synthesis, characterization of aluminosilicates and alumino phosphates. Incorporation of transition elements into zeolites during synthesis and by post synthesis modification. Synthesis and modification of various inorganic single oxides ( $\text{SiO}_2$ ,  $\text{Al}_2\text{O}_3$ ,  $\text{TiO}_2$ ,  $\text{ZnO}$  and  $\text{ZrO}_2$ ) and mixed oxides ( $\text{TiO}_2\text{-ZrO}_2$ ,  $\text{TiO}_2\text{-SiO}_2$ ,  $\text{TiO}_2\text{-Al}_2\text{O}_3$ ,  $\text{ZrO}_2\text{-SiO}_2$ , Fe, Zn, Al supported  $\text{ZrO}_2$  and  $\text{TiO}_2\text{-ZrO}_2\text{-SiO}_2$ ) by different methods; Evaluation of the mixed oxide catalysts for organic transformations, synthesis of fine chemicals and photocatalysis.



### **2. Dr. J. Ramchander M.Sc., Ph.D**

*Professor of Organic Chemistry*

*E-mail: ramorgchemou@gmail.com; Ph No. 9553982108*

Dr. J. Ramchander is working as Professor, Department of Chemistry, University College of Science, Osmania University since march 1998. His area of Specialization is organic chemistry. He received his M.Sc. from Osmania University. Then joined as Assistant Professor in P.G. College, Bhiknoor, Osmania University in March 1998. He did PhD after joining university awarded PhD Degree in Organic Chemistry, Osmania University. He served as In-charge Principle for 4 years in P.G. College, Bhiknoor, served as warden for 6 year and also served as NSS Program Officer for 3 years then transferred to Nizam College, Osmania University, Hyderabad in June 2009. He served as In-charge Head, Department of Chemistry Nizam College. He has conducted one day National Seminar entitled “Recent Application in Medicinal and Material Devices” (NSRAMMD-2016) on 2nd July 2016 as a Convener in Department of Chemistry, Nizam College. After that, he was transferred to University College of Science OU in 2017. He has more than 24 years of teaching and 16 years research experience, He has published 18 papers in national and international journals (Citations: 53, h-index: 4, I10 index: 3). He has attended and presented Posters at various National and International Seminars/Conferences/Workshops more than 14. He is presently guiding 08 students for their doctoral degree. Under his supervision 02 P.G. students have completed their dissertation work. He is life member of Indian Science Congress and Indian Council of a Chemist. He has reviewed research articles of reputed international chemistry select Journals. He is a member of several committees of Nizam College and University College of Science, Osmania University. At present he is Chairman, BOS, M.Sc. Forensic Science OU and member of Departmental Research Committee, and member of Departmental Committee, Member BOS in Chemistry, Osmania University (UG). Member BOS in Chemistry, Chaitanya (Deemed to be University) Warangal. Research Interests: Organic synthesis involving C-C bond formation and thiazole ring formation and investigation of their photophysical properties and biological evaluation of Heterocyclic Compounds.





### **3. Dr. P. Vijay Kumar M.Sc., Ph.D**

*Professor of Organic Chemistry*

*E-mail: kumar4vijay@yahoo.com Ph No. 9912770303*

Dr Vijay Kumar completed M. Sc (organic chemistry -1994) and Ph.D (oxygen heterocycles- 2016) from Osmania University. He joined in the university as Assistant professor (1997) and during this period, in addition to the teaching, rendered his services as Academic co-ordinator at Post-graduate College, Mirzapur and promoted to Associate professor (2009). At present, he is working as a professor in Organic Chemistry at the Dept. of Chemistry, UCS, OU.

His teaching includes strategies in organic synthesis, classics in total stereo selective synthesis of Natural products, drug design, drug-receptor interactions, organic reaction mechanism, synthetic reagents, new synthetic reactions and heterocyclic chemistry... etc., Earlier he was the member, Board of studies, Chemistry and the member, Departmental Committee, Chemistry, Osmania University. He was involved in setting the question papers for UPSC exams and also for UG and PG exams.

At present Professor Vijay Kumar's current area of research is the isolation of Natural products, synthesis of their semi synthetic analogues and their evaluations for biological activity. In addition to this, several oxygen Heterocyclic compounds such as coumarins, flavones, Chromones are synthesized and screened for the activity.

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### **4. Dr. G. Vijaya Charan M.Sc., B.Ed. Ph.D**

*Professor of Inorganic Chemistry*

*Email: drvijayacharan77@gmail.com Ph. No. 9010558545*

Dr. G. Vijaya Charan is working as Professor at Department of Chemistry; University College for Science, Osmania University. Her academic qualifications are M.Sc Chemistry (Inorganic), B.Ed, Ph.D. She has 21 years of teaching experience and 22 years of research experience in inorganic chemistry. 10 students are pursuing Ph.D. Under her guidance.

Dr. Vijaya Charan is working as Professor at Department of Chemistry; University College and has published more than 20 research articles in national and international journals. Her area of research work is Synthesis of Catalysts, Structural, Photocatalytical, Magnetic and Electrical Transport properties of Nano-materials and studying their Characterization and Applications.

Dr. Vijaya Charan is working as Professor at Department of Chemistry; University College for has attended and presented Papers, Posters at various National and International Seminars/Conferences/Workshops. She organized Seminars/workshops.

Dr. Vijaya Charan is working as Professor at Department of Chemistry; University College for completed two minor research projects. UPE-FAR subsidiary project and DST-PURSE.

Her Academic and Administrative achievements, as Head of the Department, UCW, member Board of studies, Chemistry, UCW, member, P.G. Board of studies, chemistry, Osmania University member, Departmental Committee, member, Women's cell UCW and member in various committees.

She is a life member of Indian Science Congress Association (ISCA), India and member in American Chemical Society (ACS). She received Seva Ratna Award for her services and Best Teacher Award by Indian Red Cross Society (IRCS) in 2021.

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## 5. Dr. P. Saritha Reddy M.Sc., Ph.D

*Professor of Inorganic Chemistry*

*Email: abbaredysaritha@hotmail.com Ph. No. 9848487363*

Dr P. Saritha Reddy is working as Professor of Inorganic chemistry at department of Chemistry, University College of science, Osmania University. She completed M.Sc with Inorganic Chemistry specialization from Department of Chemistry, Osmania University in 1993 and Ph.D from Osmania University in 1999 for her work on “ Structural studies on Transition metal complexes derived from multidentate ligands containing oxygen, nitrogen donor systems.”

Dr. P Saritha Reddy has 24 years of teaching experience at UG and PG level and 28 years of research experience. She is a registered guide of Osmania University, currently guiding 8 students for their Ph.D. Three students have been awarded Ph.D under her supervision. She has 20 publications in various National and

International journals and presented papers at various National and International Seminars/Conferences/Workshops. Her papers presented at International Seminar on “Green Chemistry for sustainable development” and “National PhD poster symposium” organized by Royal society of Chemistry received best presentation awards.

She Successfully completed UGC sponsored Research Project entitled “XRD – studies of metal complexes of Schiff bases derived from 5-Acetyl2,4-dihydroxy acetophenone and study of their antimicrobial activity” and DST-PURSE project titled “Green route for efficient synthesis of fluorine containing Schiff bases and their complexes as potent Bio active agents: DNA interaction, Docking, In vitro antimicrobial screening and Cytotoxic studies.”

Dr Sarita Reddy reviewed articles for International Journals like Chinese Journal of Chemistry, Journal of Bio-inorganic chemistry and its applications & Applied Organometallic Chemistry. She guided several M.Sc. (Inorganic Chemistry) students for their projects, delivered guest lectures at various PG colleges and has been resource person at HRDC, Osmania University. She organized seminars /workshops at University College for Women, OU and Department of Chemistry, Osmania University.

Dr Reddy has held various Academic/ Administrative positions viz., Vice- Principal, University College for Women, Koti, OU from May 22nd 2017 – September 5th 2019, Joint Director, Directorate of Academic Audit, OU. from July 2021- August 2022, I/c Head, Department of Chemistry, University College for Women, Koti, OU from January 2016 to May 2017, Coordinator of the College Time Table Committee, UCW from 2007 – 2017, Student Advisor in University college for women, 2006-2012, Member of the Space Committee, UCW 2011-2019, Member of UGC- CPE Committee, UCW 2012- 2019. Member of Indian Council of Chemists. Jury member for State level DST-sponsored INSPIRE Awards scheme (Govt. of India) held in August 2011, 2012, 2014 and 2015. DC member, Dept.of Chemistry, O.U, Member, BOS, Dept. of Chemistry, U.C.W, St .Anns College, Hindi Mahavidyalaya, Selection Committee member and Governing body member for various UG and PG colleges. Presently she is holding the position as Joint Director, University Foreign relations Office (UFRO).



## 6. Dr. D Annapurna Padmavathi M.Sc., Ph.D

*Professor of Physical Chemistry*

*E-mail: dapadma@rediffmail.com Ph No. 9963123387*

Dr Padmavathi completed her M.Sc. in Chemistry from Nizam College, Osmania University(1989) and Ph.D (1994) from IIT, Bombay. She did short post-doctoral stints at Emory University, Atlanta, U.S.A (1995),, and Institute for Molecular Science, Okazaki, Japan (1996). She joined the service as Assistant Professor in the year 2007. She has 23 years of teaching and research experience. She published 25 research articles in National and International Journals. Two students were awarded with their Ph.D and 3 research scholars are pursuing for their Ph.D. degree under her guidance. She completed three minor research projects funded from UGC-SERO, UGC-UPE-FAR, OU-DST-PURSE. Since 2014, She co-authored 9 chapters in B.Sc chemistry text books published by Telugu academy. Her research interests are mainly in the area of physical organic chemistry with emphasis on Application of Computational Quantum Chemistry to Real Time Problems.

## **7. Dr. B. Sireesha M.Sc., Ph.D**

*Professor of Inorganic Chemistry*

*E-mail: drsireeb@yahoo.co.in Ph. No. 91-9391021853*



Dr. B. Sireesha, Professor, Department of Chemistry, Osmania University has been working since 2007 and at UCS, OU from 2019 onwards. She has completed her M.Sc. in Chemistry with Inorganic Chemistry specialization in 1992 and was awarded Ph.D. in Chemistry in 1997 from Osmania University. She has 28 years of teaching experience at U.G and P.G level and has 25 years of Research Experience, published over 48 Research Papers in reputed International and National Journals with good impact factor. She has also presented 44 research papers in National and International conferences.

Dr. Sireesha's field of research is Bio-Coordination Chemistry, Computational Chemistry, Crystallography, DNA Binding and Cleavage Studies. 6 Research scholars were awarded PhD Degree under her Supervision, one of her research scholars has submitted Thesis and 4 students are currently working for their Ph.D. degree. Under her supervision about 27 P.G. students from constituent and affiliated colleges have completed their project dissertation work. She has completed Two UGC Minor research Project 2009-2011 and 2017-2020, funded by UGC-SERO, Hyderabad.

She has delivered guest/invited lectures in various colleges/conferences and refresher courses. She is a Co-Author for TS Government, Telugu Academy English and Telugu media Text books for B.Sc., Chemistry Semesters I, II, III IV and V, for the CBCS Syllabi.

She was a member of several committees at University College of Science, Saifabad and at Nizam College, Osmania University. She worked as In charge-Head, Department of Chemistry, Nizam College, 2017-2019 and worked as Academic Coordinator for 4 years 2014 to 2018, and was instrumental in procuring DST-FIST Level-0 and CPE Phase III funding, and also was coordinator for Implementation of CBCS at UG level and MSc Five year integrated Course in Chemistry at Nizam College, OU.

At present she is the Director, IQAC, Osmania University.

She is a Life member of Indian Chemical society, Kolkata, Indian Association of Chemistry Teachers (IACT) Mumbai, International Society of Teachers and Researchers in Chemistry Bhubaneswar and Indian Society of Analytical Scientists (ISAS) Mumbai.

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## **8. Dr. P. Jalapathi. M.Sc., Ph.D**

*Professor of Organic Chemistry*

*Area of Research: Synthetic Organic Chemistry*

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Dr. P. Jalapathi was awarded Ph.D. in Chemistry from Kakatiya University in the year 2001. He did Project RA (summer project) at IICT Hyderabad. He joined Osmania University in the year 2007 and in his 29 years of teaching experience, he taught students of M.Sc., M.Phil., M.Pharmacy, B.Pharmacy and B.E. He published 60 research publications in various national and international journals. Under his supervision 8 scholars were awarded with Ph.D. degree and at present 5 research scholars are on the same way. He was a BOS member of Chemistry department in Telangana University (2015-2017) and presently for Mahatma Gandhi Institute of Technology.

Dr Jalapathi has coordinated the prestigious project DST-FIST (2017-2019). He has completed one UGC minor research project (2017) and a DST-PURSE (2020) project in the capacity of principal investigator. His research team synthesized N, O, S containing heterocyclics such as chromones, coumarins, triazoles, pyrazines, benzoxazoles etc. and screened their biological activities such as anticancer, cytotoxicity, anti-oxidant, anti-inflammatory, antifungal, antibacterial etc. and performed Molecular Docking Studies.

Dr Jalapathi served as Warden – Mess for Boys (2007 – 2010), Vice- Principal – Hostels (2014 – 2016), Head – Department of Chemistry (2016-18) at University College of Science, Saifabad, Osmania University and Head – Department of Chemistry (2019-2020) at University College of Engineering, Osmania University. Currently he is the Joint Director of PG Admissions, Osmania University (Telangana State).

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## **9. Dr. Boda Sakram M.Sc., Ph.D**

*Professor of Organic Chemistry*

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Dr. Sakram Boda is working as Professor, Department of Chemistry, University College of Science, Osmania University. He received his M.Sc. from Kakatiya University in 2002 and Ph.D Degree in Organic Chemistry from Kakatiya University, India, in May 2006. He worked as a Technical officer in IICT Hyderabad. He joined as Assistant Professor in OU P.G. College, Mirzapur, Osmania University in 2007. He served as warden for 1 year then he transferred in 2013 to Nizam College, Osmania University, Hyderabad. He served as In-charge Head Department of Chemistry, Nizam College for 2 years. Currently he is additional controller of Examinations(PG).



Dr Sakram has more than 20 years of teaching and research experience. He has published 41 papers in national and international journals (Citations: 181, h-index: 9, i10index: 7). He presented more than 30 research papers at national and international conferences. He supervised 05 Ph. D scholars and presently guiding 05 students for their doctoral degree. Under his supervision 05 P.G. students have completed their dissertation work. He is a life member of Indian Science Congress Association and Indian Council of Chemists. And also a reviewer for reputed journals.

The topics of his interest for teaching are Stereo Chemistry, Pericyclic reactions, Principles of Drug design and drug discovery, Heterocyclic Chemistry, and Green Chemistry. His current research interest focuses on Synthetic Organic Chemistry Research Interests: Organic Synthesis and biological evaluation of Heterocyclic compounds and Synthesis of some new 1,8-Naphthyridine derivatives and their Molecular modeling studies.

**Projects Completed** UGC-Minor Research Project: UGC-SERO, Hyderabad, Rs. 2,55,000/- Duration: Two years (2015-2016) (Link No. F.MRP5626/15(SERO/UGC); Title: Synthesis, characterization and biological evaluation of some new 1,8-naphthyridinyl heterocycles.

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## **10. Dr. Bhongiri Yadagiri M.Sc., Ph.D**

*Professor of Organic Chemistry*

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Dr. Yadagiri Bhongiri is working as Professor, Department of Chemistry, University College of Science, Osmania University. He received his M.Sc. from Osmania University in the year 2000 and awarded Ph.D Degree in Organic Chemistry from Indian Institute of Chemical Technology, Tarnaka, Hyderabad, June 2010. Then joined as Assistant Professor in P.G. College, Bhiknoor, Osmania University in May 2007. He served as warden for 1 year, then transferred to P.G. College, Secunderabad Osmania University, Hyderabad in June 2009. He served as In-charge Head Department of Chemistry P.G. College Secunderabad for 4 years 6 months, served as Vice-Principal for 2 years and served as warden for 3 years. After that, transferred to Nizam College, Osmania University, Hyderabad in Jan 2014 and also served as In-charge Head Department of Chemistry. Later, he was transferred to University College of Engineering Osmania University, Hyderabad in Feb 2020 and served as In-charge Head Department of Chemistry and then transferred to University College of Science OU in December 2021.

Dr. Yadagiri has more than 15 years of teaching and research experience. He has published 20 papers and 4 patents in national and international journals (Citations: 116, h-index: 7, i10index: 4). He presented more than 15 research papers at national and international conferences. He supervised 01 Ph.D and presently guiding 04 students for their doctoral degree. Under his supervision 06 P.G. students have completed their dissertation work. He is a life member of Indian Science Congress and Indian Council of a Chemist. And also a reviewer for reputed journals. The topics of his interest for teaching are Conformational analysis, Reaction mechanism, Heterocyclic chemistry and Green chemistry.

Research Interests: Organic Synthesis and biological evaluation of Heterocyclic Compounds and Synthesis of some Lipid based compounds. UGC-Minor Research Project: UGC-SERO, Hyderabad, Rs. 2,40,000/- Duration: Two years (2017-2019) (Link No. F.MRP-6439/16(SERO/UGC); Title: A Green approach for synthesis of pyrazolylthiazoles in presence of New photocatalyst via a multi-component reaction under visible light irradiation.

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## 11. Dr. A. Hari Padmasri M. Sc., Ph. D

Professor of Physical Chemistry

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Ph. No. 9441788898

Dr A Hari Padmasri is Professor recruited into the OU service in 2007. She worked at University College for Women till July 2017 and is currently working at Dept. of Chemistry, UCS, OU. She pursued her M.Sc Chemistry with Physical Chemistry as specialization at Department of Chemistry, Osmania University qualifying it in first division with distinction. She pursued her PhD as UGC-JRF and SRF on qualifying GATE at IICT, Hyderabad and was awarded the degree with Osmania University in 2001 for her thesis entitled "Hydrodechlorination of  $\text{CCl}_2\text{F}_2$  over calcined Mg-Al hydrotalcite supported Pd based catalysts".

Dr Padmasri continued her postdoctoral work with CSIR-RA at IICT from 2001 to 2006 followed by CSIR-SRA (Scientist Pool Scheme) from 2006-2007. Later on with the award of Women Scientist Scheme under DST, New Delhi she pursued it from 2007 to 2010. She has 15 years of teaching experience in UG & PG and taught almost all the fundamental topics of physical chemistry. Her research experience is about 22 years in the area of Catalysis, Nanomaterials and sustainable energy (biomass valorization).

She is a registered guide of Osmania University and is currently guiding 7 students. Two scholars obtained Ph.D under her supervision and another research scholar submitted her Ph. D thesis under her guidance. She also guided one M.Tech student and 7 M.Sc students for their dissertation work. She has published 47 papers in international peer reviewed journals of repute with an h-index of 20, i10-index of 32 and citations of 1904. She filed 3 Indian and 3 US patents. She authored 3 chapters in two internationally reputed books on catalysis and authored 1 BSc textbook by a National publisher. She received best paper presentation award for her research work at the 14th National symposium on Catalysis held at Anna University, Chennai in December 1998. She is one of the Key authors of the paper presented at 7th International Symposium on Feedstock Recycling of Polymeric Materials at New Delhi from 23-26th October 2013 which received the best oral presentation award. One of her research scholars received best oral presentation award for the paper presented in the International Conference on Advances In Catalysis: Industrial Outlook ACIO2019 1st & 2nd AUGUST, 2019.

She completed two research projects: "Exploration of the gold nano particles: Synthesis, characterization and their applications in the Selective oxidation of methane to value added products." DST Award No: SR/WOS-A/CS-42/2005 and "Biomass to Syngas: Catalytic Cleanup" Funded by Department of Science & Technology under "India-Ireland Cooperative Science Programme" – a Joint research project for FY 2011. She recently completed minor projects sponsored under OU-DST-PURSE II Programme & OU-UGC-UPE-FAR programme.

Dr Padmasri is a life member of Catalysis Society of India, Indian Science Congress Association, Indian Association of Chemistry Teachers, Osmania University Chemistry Alumni Association, International Society of Teachers and Researchers in Chemistry (ISRTC) & Journal of Teaching and Research in Chemistry (JTRC), Indian Council of Chemists (ICC) and Associate Fellow, Telangana Academy of Sciences.

She reviewed articles for Elsevier Journals like Catalysis Today & Modern Chemistry of Science Publishing Group, USA, Bentham Publishers, International Journal of Photochemistry and Photobiology (IJPP), The Science Publishing Group, USA and Journal of Heterocyclic Chemistry, Wiley Publishers, ACS Sustainable Chemistry & Engineering and RSC Sustainable Energy & Fuels. Also, reviewed MS Dissertation and Ph D Theses from University of Kwazulu Natal of Durban, South Africa and Ph D thesis from Bharatidasan University. She presented papers in about 50 national and international seminars and workshops. She organized several national and international seminars, workshops and faculty development programmes in chemistry. She delivered many extension and guest lectures at various colleges to UG, PG students and faculty members of Chemistry.

Dr Padmasri coordinated Step-Up Mentoring programme sessions in collaboration with the Alumni of the department for research scholars and students. She coordinated several activities viz., Quiz programmes, Poster presentations, Scientific writing etc., organized by the students of MSc Chemistry, Dept. of Chemistry, OU as Student-Faculty Coordinator. She conducted several Innovative and skill oriented programmes for students and faculty members as coordinator, R & IP cell, at Univ. College for Women, Koti, Hyd. She was the member, Placement Cell till 2016; Coordinator, R & IP Cell since Dec'15 to July '17; I/c Controller of Examinations from March-April 2017 and I/c Head, Dept of Chemistry, UCW from June-July 2017. She was a Member, Departmental Committee, Dept. of Chemistry, O.U. since 2015-17 and a Member BOS, Dept. of Chemistry, O.U. College of Engineering & Member BOS till 2017. Currently she is a member of BOS, Dept. of Pharmacy, Telangana University, a Member of BOS, Dept. of Chemistry, Palamur University and Member of BOS, Dept. of H&S, VBIT college of engineering and KG Reddy College of Engineering & Technology & Member, BOS

of UG & Departmental Committee, Dept. of Chemistry, Osmania University. Also currently the Placements Incharge and Student Coordinator for the Dept. of Chemistry, UCS, OU, member of Women Cell & Quality Monitoring Cell, of Univ. College of Science & IQAC, OU.



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**12. Dr. T. Gangadhar M.Sc., Ph.D**

*Associate Professor of Organic Chemistry*

*Area of Research: Synthetic Organic Chemistry*

*Email: ganguly.chem@gmail.com; Ph. No. 9000234825*

Dr. T.Gangadhar has obtained his Masters Degree, M.Sc., Organic Chemistry from University College of Science, Osmania University, Hyderabad in 2000 and Bachelor's Degree; B.Sc. (B.F.C.) from Govt. Arts and Science College Kamareddy, Osmania University, Hyderabad in 1998. Dr. T.Gangadhar has carried out his doctoral research work under the supervision of Prof. Ch. Prasad Rao, Professor of Chemistry, Osmania University and Chairman, Pollution Control Board, Telangana State and

obtained Ph.D Degree in 2017. During doctoral research work Dr.T.Gangadhar has accomplished the Oxoazole based heterocyclic synthesis.

Dr. T.Gangadhar, was Care Taker Officer for NCC, Nizam College, from 2009 to 2011 and he was selected for PRCN course i.e., Army training for three Months (27th Nov, 2011 – 24th Feb, 2012) at OTA, Kamtee, Nagpur. After successful completion of training he was awarded as Lieutenant. After completion of Refresher course held at OTA, Kamtee, Nagpur from 1st March, 2019 to 30th March, 2019 got promoted as Captain 24th February, 2020. During his able administration many number of students participated in National and International NCC Camps i.e., 04 Students were selected for Youth Exchange Programme (YEP) to various countries Russia, Nepal and Bangladesh. 10 Students had participated in Republic Day Parade Camp at New Delhi. 30 students participated in TSC New Delhi. He is also Joint Director, Directorate of Admissions, Osmania University. He is a member of several committees of Osmania University. He has 15 years of teaching and 11 years of research experience. His research interest includes design, synthesis and biological evaluation of medicinally important organic compounds along with development of novel synthetic methodologies, targeting inter-disciplinary research problems in medicinal chemistry ranging from the development of novel synthetic methodologies to the synthesis of complex natural products.

Dr Gangadhar's research work has been published in over 15 articles in leading international chemistry journals. And also presented at several international/national conferences. He has delivered over 10 Invited/Guest Lectures, about 9 Oral/Poster presentations and conducted/participated in more than 15 international/national/state conferences/seminars. He is a Life member of Indian Science Congress Association (ISCA).



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**13. Dr. B. Vijay Kumar M.Sc Ph.D**

*Assistant Professor*

*Email ID:[vijaychemou@gmail.com](mailto:vijaychemou@gmail.com) Ph.No. 9966442958*

Dr. B. Vijaya Kumar is working as an Assistant Professor in the Department of Chemistry University College Science, Osmania University. He obtained his Ph. D from Osmania University. He has 11 years of teaching experience at UG and PG levels and above 16 years of research experience. His research interest is synthesis of nanomaterials, core-shell and nanocomposites for environmental remediation. He has published 31 research papers in international and national journals and also participated in various conferences/seminars.

Dr Vijaya kumar has received projects from various funding agencies like UGC, MHRD and DST-SERB. Under his supervision 8 Ph.D. students are working and 12 M.Sc. students have completed their project work. He is a reviewer for several international journals such as RSC Advances, International Journal of Hydrogen Energy, Catalysis Communication, Materials Letters and Micro & Nano Letters. He is a life member of Indian Science Congress, Indian Council of Chemists and Materials Research Society of India. He was selected as "Associate Fellow of the Telangana Academy of Sciences" for the year 2020 by Telangana Academy of Sciences (TAS).

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#### **14. Dr. Someshwar Pola M.Sc., Ph.D**

*Assistant Professor of Physical Chemistry*

*Email: Somesh.Pola@gmail.com Ph. No. : +91 9959972288*

Dr. Someshwar Pola is working as Assistant Professor, Department of Chemistry, University College of Science, Osmania University since 2013. He has received B.Sc. from Kakatiya University, M.Sc from P.G center, Mirzapur, Osmania University and Ph.D. in chemistry from Kakatiya University, Warangal, Telangana State, India. Dr. Pola worked as a visiting faculty member at Institute of Chemistry, Academic Sinica, Taipei, Taiwan for two months in 2017. He also worked as Postdoctoral Fellow (PDF) at Institute of Chemistry, Academic Sinica, Taipei, Taiwan from August 2008 to April 2012. During this period, he has focused on the synthesis, characterization of organic functional materials towards Single-Crystal Field Effect Transistors. During the period of his doctoral research work (2002 to 2006), he has developed various methodologies in Inorganic and Analytical chemistry. He also has Industrial Experience in medicinal Research and Development (AR&D), Senior Research scientist, GVK Biosciences Pvt. Ltd., Hyderabad, India. Dr. Pola published over 65 Research Papers in reputed International and National Journals (Citations: 806, h-index: 16, i10index: 24) and has two book chapter to his credit. He also presented research papers in 35 National and 24 International conferences. He delivered guest/invited lectures in various colleges/conferences. He has 10 years of teaching and 22 years of research experience. His research focuses on Supramolecular Chemistry, Solar Cell device Fabrication studies and Organic field effect-transistors and Photocatalysis of Organic pollutants in the presence of Metal oxide semiconductor and Metal Organic Frameworks. Under his supervision 6 P.G. students have completed their dissertation work. So far, he has supervised 05 PhD's and presently guiding 6 students for their doctoral degree. His research activities are supported by various funding agencies like NSC-Taiwan, UGC, DST and CSIR, New Delhi, India. He is a member of several committees of Department of Chemistry, UCS, Osmania University.



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#### **15. Dr. P Muralidhar Reddy K M.Sc., Ph.D**

*Assistant Professor, Inorganic chemistry*

*Mobile No: 9848792423*

*Email: pmdreddy@osmania.ac.in, pmdreddy@gmail.com*



Dr. P. Muralidhar Reddy working as Assistant Professor, Department of Chemistry, Osmania University since 2013. He has received B.Sc., M.Sc., and Ph.D. in chemistry from Kakatiya University, Telangana State, India. Dr. Reddy worked as a visiting faculty member at Tzu Chi University, Hualien in 2014. He worked as Postdoctoral Fellow (PDF) at National Dong Hwa University (NDHU), Taiwan from August 2007 to September 2013. He also has Industrial Experience in Analytical Research and Development (AR&D), Hetro Drugs Limited (R&D), Hyderabad, India.

Dr Reddy has authored 6 books and 101 Research articles, which have been published in reputed International and National Journals with h-index of 24, i10index of 40 and Five patents to his credit. He has also presented research papers in 83 National and 52 International conferences. He has delivered guest/invited lectures in various colleges/conferences. He is a Life member of Indian Council of Chemists (ICC), Indian Science Congress Association (ISCA), India and Member of Taiwan society for mass spectrometry (TSMS), Taiwan. He is a reviewer for over 20 National and International professional journals. He has 16 years of teaching and 20 years of research experience. His research focuses on Coordination Chemistry, Bioinorganic Chemistry, Organometallic Chemistry, Biological Activity, Catalytic Applications on Drugs; Synthesis & Development of functionalized magnetic Iron oxide (Fe<sub>3</sub>O<sub>4</sub>), Titanium dioxide (TiO<sub>2</sub>), and Silver (Ag) Nanoparticles towards Biological Applications and Developing Mass Spectrometric Methods for Analysis of various Microorganisms.

Under his supervision, 23 P.G., 7 M. Pharm and 4 Ph.D. students have completed their dissertation work and 7 scholars are currently working for their Ph.D. degree. His research activities Total 6 Major Projects (2-National and 4-International Projects) and 2 Minor Projects are supported by various funding agencies like NSC-Taiwan, Tzu Chi University, UGC, TSCOST, DST and CSIR, New Delhi, India. He has served as member in several committees of Nizam College, Osmania University from October 2013 to January 2020. He Worked as Placement Officer, Nizam College, Osmania University from August 2014-July 2019 and Controller of Examination (COE), Nizam College, Osmania University from October 2018 to February 2020. Currently he is a Joint Secretary, Osmania University Chemistry Foundation (OUCF), Coordinator for Human Capital Development Center (HCDC), Osmania University and Placement Officer, UCS, Osmania University. Dr. P.M. Reddy is recipient of Best Teacher Award-2015 (Nation Builder Award-2015) for the cause of educating the future generation of our country, 5th September 2015 by Rotary Club, Telangana. Also, recipient of Ideal Teaching Awards -2018 Selected

in the Category of Professor of the Year (Chemistry) and Seva Ratna Award 2020, for Outstanding Individual Achievements & Distinguished Service to the Nation, on 26th January, 2020, by Organization by Youth for Social Transformation and Environmental Recoup (A Registered NGO:442/09), Telangana and also recipient of "Mother Teresa Gold Medal Award- 2021" by Global Economic Progress & Research Association, TN, India. Received Best Paper Presentation Award (Ranked First) in ICNN-2011, RAC-2015, NPC-2020 NCPCM-2020 and ETCMSR-2022. He has received two gold medals in B.Sc. and M.Sc. and also received the most popular student award in 1999.



### **16. Dr. K Laxma Reddy M.Sc., Ph.D**

*Assistant Professor of Physical Chemistry*

*Email ID: kreddy200542@gmail.com; Ph.No. 9393560677*

Dr. Laxma Reddy Kotha is working as an Assistant Professor, Department of Chemistry, Osmania University since 2013. He has received B.Sc., M.Sc., and Ph.D. in chemistry from Osmania University, Telangana State, India. Dr. K.L. Reddy worked as Postdoctoral Fellow (PDF) Fundação para a Ciência e a Tecnologia Research Fellow (FCT), at ITQB, Oeiras, Portugal from July 2011 to August 2012. He has **30** Research articles, which have been published in reputed International and National Journals. He has also presented research papers in **20** National and **10**

International conferences. He has delivered guest/invited lectures in various colleges/conferences. He is a Life member of Indian Science Congress Association (ISCA), India. He has **12** years of teaching and **17** years of research experience.

Dr K L Reddy's research focuses on Coordination Chemistry, Bioinorganic Chemistry, Organometallic Chemistry, DNABinding Studies and Biological Activities of TMCS. Under his supervision **4** scholars are currently working for their Ph.D. degree. His research activities supported by funding agencies like UGC, and APCOST, India. He has served as a member in several committees of UCT, Osmania University from November 2016 to January 2022. He Worked as a Principal, OUPG College, Mirzapur, Osmania University from November 2013 to November 2016. Currently he is working as Additional Chief Warden, Hostels and Messes, Osmania University

Dr. K.L. Reddy is recipient of Young Scientist Award (Govt. of AP, 2009) and also Received Best Paper Presentation Award(Ranked First) in ETCMSR-2022.



### **17. Dr. M. Kavitha M. Sc., Ph. D**

*Assistant Professor*

*Email ID:kavithamannem@gmail.com;*

*kavithamannem@osmania.ac.in*

*Ph.No. 9491062918*

Dr. M. Kavitha received her M.Sc in 2002 and Ph.D in 2009 from University of Hyderabad. She worked on protein chemistry and physicochemical characterization of plantlectins from *Cucurbitaceae* under the guidance of Prof. M.J. Swamy at school of chemistry, University of Hyderabad. She moved to Florida International University, Miami, Florida for her post-doctoral work under NIH grant (2009-2013), where she worked under the guidance of Prof. Barry P. Rosen on arsenic biomethylation. In September 2013 joined

department of chemistry, University College for Women, Koti and got transferred to University college of Science, Osmania University in the month of Dec 2021.

Dr Kavitha was awarded merit bonus during her post-doctoral work. She has published 13 research papers in peer reviewed international journals. She has qualified for Shyam Prasad Mukherjee (SPM) fellowship test (only top 20% of the CSIR JRF candidates are called for the SPM fellowship test) in 2001.

Dr Kavitha's area of research interest includes arsenic detoxification, Protein Chemistry. At Present 6 students are pursuing their PhD under her guidance. She held various administrative positions like Vice Principal, Controller of examinations, Academic coordinator and Hostel warden for University College for Women, Koti



## 18. Dr. K. Shiva Kumar M.Sc., Ph.D (on Foreign Service)

UGC-Assistant Professor of Organic Chemistry

E-mail: [shivakumarkota@yahoo.co.in](mailto:shivakumarkota@yahoo.co.in) Ph. No. 9885408636

Dr. K. Shiva Kumar received his Ph.D. in 2008 from JNT University, Hyderabad, India in the area of synthetic organic chemistry and then he has joined in Institute of Life Sciences(ILS), Hyderabad, India as a Postdoctoral Fellow in the Department of Medicinal Chemistry. From Aug 2010 onwards, he worked as a Dr. D. S. Kothari Postdoctoral Fellow by UGC in the same institution. Subsequently, he was appointed

as Jr. Research Scientist in ILS and also awarded DST young scientist in Sept 2012. Later, Dr Shrivikumar joined in the Department of Chemistry Osmania University as an Assistant Professor since March 2014 under UGC-Faculty Recharge Programme. Currently, he has four ongoing research projects sponsored by DST, UGC and CSIR New Delhi, India. He has published more than 48 papers in national and international journals. His current area of research is focusing on development of new synthetic methodologies for synthesis of biologically important heterocyclics via C-H activation, tandem and multicomponent reactions. He is an Associate Fellow of Telangana Academy of Sciences.

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## 19. Dr. Raju Jannapureddy M.Sc., Ph.D , MRSC

UGC-Assistant Professor of Organic Chemistry

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Dr. Raju Jannapu Reddy obtained his PhD from School of Chemistry, University of Hyderabad, India in 2008. He moved to National Taiwan Normal University, Taiwan for his postdoctoral research (Aug 2008 to Oct 2010) and then he has worked as a JSPS postdoctoral fellow (Nov 2010 to Nov 2012) in Kyoto Pharmaceutical University, Japan. As a Marie Curie Research Fellow (Jan 2013 to Jan 2015), he carried out his research at University of Birmingham, UK. He also employed for a brief period (Aug 2001 to Jul 2002) in Dr. Reddy's Laboratories Pvt. Limited, Hyderabad, as an R & D Chemist. Presently, he is working as a UGC-Assistant Professor at Department of Chemistry, University College of Science, Osmania University, Hyderabad, India.

Dr Raju has published about 33 international peer-reviewed highly reputed journals including 3 review articles and a book chapter. He received a certificate from the Royal Society of Chemistry publishers for recognized Chem. Soc. Rev. within the top 10 cited articles published in 2007, contributing to the 2008. Several of his research papers are Most Accessed Articles/Very Important Publications, thereby illustrating the high impact of research in the representative field. He is also a member of Royal Society of Chemistry RSC (MRSC), Associate Fellow of Telangana Academy of Sciences, and Member of Pharmaceutical Society, Japan. Dr Raju was the principal investigator of FOUR major research grants sponsored by UGC (BSR-Startup Grant; 6 lakhs), SERB (Early Career Research Award Grant; 33 lakhs), CSIR (EMR-II; 29 lakhs), SERB (Core Research Grant, 40 lakhs) and DST-WOSA (mentor; 24 lakhs), which worths more than 130 lakhs. His independent research activities are on the organosulfur chemistry and photoredox catalysis to develop divergent methodologies. Some of independent research publications are highlighted in the "SynForm News" and shortlisted for "Synthesis" Best Paper Award.

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## 25. Dr. SHIVARAJ M. Sc., Ph. D, FTAS

Professor of Chemistry (Retd.) and UGC-BSR Faculty Fellow

E-mail ID: [shivarajkavada@gmail.com](mailto:shivarajkavada@gmail.com), Ph. No. 7337355879

Dr. Shivaraj, received his Master's Degree (1983) and Ph. D. (1989) from Osmania University. He joined as Assistant Professor in Osmania University in 1986. He has 34 years of teaching experience, of which 15 years as Professor. Superannuated in September 2020. He has received **Best Teacher Award** by Telangana State Government in 2018.

22 students obtained Ph. D. degree and 2 more submitted their thesis under his guidance. He has published 112 research papers in various national and international journals. He has received 5 research projects worth Rs. 90.00 Lakhs. He has organized five conferences in the Department of Chemistry, delivered 50 invited Lectures in National and International conferences. He has visited 12 countries on academic and research purpose. He is a reviewer of research articles of national and international reputed journals. He is life member of Indian Science Congress Association (ISCA), Indian Association of Chemistry Teachers (IACT), Indian Council of

Chemists, Indian Chemical Society (ICS), International Congress of Chemistry and Environment and member (ICCE), American Chemical Society (ACS) from 2010 to 2018.

He served as a member of Board of Studies of Chemistry in various universities. He was visiting Fellow under UGC Scheme to Sri Venkateswara University, Tirupathi.

Prof Shivaraj served various administrative positions in Osmania University including Warden, Youth Welfare Officer, Joint Director, Directorate of Academic Audit, Controller of Examinations, Director, Directorate of Admissions, Director, PGRR Centre for Distance Education, Principal, University College of Science, Chairman, BOS, Department of Chemistry, Dean Development & UGC affairs, Dean faculty of science, Coordinator UGC-UPE Programme and Coordinator DST-PURSE programme. He also served as Dean, Faculty of Science and Registrar, Palamuru University.

He is Member of UGC New Delhi, Member MERITE Advisory Group on Equity and Inclusion MoE New Delhi, Member of Governing Board of the IUAC, New Delhi, Commission member in the standing committee on Autonomous colleges, Private and Deemed to be Universities UGC, New Delhi. Member Departmental Promotion Committee UGC New Delhi, Member Expert Committee to revisit UGC-2019 regulations for Institutions Deemed to be Universities, External member in Academic Council, Baba Saheb Bhimrao Ambedkar University, Lucknow. Boards of Governors of NIPER, Hyderabad by Ministry of Chemicals & Fertilizers, New Delhi, National Monitoring Committee (NMC) for Education of SCs, STs and Persons with Disabilities by MHRD, GoI, New Delhi, Visitor's nominee on selection committee meeting, Nagaland Central University, Panjab Central University and Central University of Tezpur. Executive member of Telangana State Council of Higher Education. Fellow Telangana Academy of Sciences (TAS). Member of the committee to study the status of the Universities in Telangana state by TSCHE.

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## Number of Research supervisors, Research scholars

**NO. OF RESEARCH SUPERVISORS: 40**

**NO. OF RESEARCH SCHOLARS:150**

S. No.	Name of the Research Scholar	Name of the Supervisor	Date of Registration	Full time/ Part time
1	Girada Devi Prasad	Prof. B. Manohar	21-06-2021	Full time
2	Gajula Soumya	Prof. B. Manohar	24.02.2023	Full time
3	Suryavamshi Swathi	Prof. B. Manohar	20.03.2023	
4	Upender Boddu	Prof. B. Manohar	20.03.2023	
5	M. Swathi	Prof. Shivaraj	03.04.2022	
6	K. Jagadish babu	Prof. Shivaraj	18.09.2018	
7	G. Shyam	Prof. Shivaraj	18.09.2018	
8	Vijay	Prof. U. Umesh Kumar	03.2023	Full Time
9	K. Krishnaveni	Prof. P. Leelavathi	15-09-2018	Part Time
10	B. Padma	Prof. P. Leelavathi	30-10-2018	Full Time
11	Md Khaja Arif	Prof. P. Leelavathi	30-10-2018	
12	N. Krishna Prasad	Prof. P. Leelavathi	20-09-2018	
13	B. Raval (applied for tranfer to Prof. A. Hari Padmasri)	Prof. P. Leelavathi	25-03-2023	Full Time
14	G. Swapna	Prof. P. V. Anantha Lakshmi	09-2018	Part Time
15	Sravanthi	Prof. P. V. Anantha Lakshmi	09-2018	Part Time
16	V. Archana (applied for transfer to Prof. A. Hari Padmasri)	Prof. P. V. Anantha Lakshmi	20-03-2023	Full Time
17	Rupa Sri (T)	Prof. J. Ramchander	17.03.2017	Full Time
18	B. Chandu lal	Prof. J. Ramchander	30.09.2018	Full Time
19	M. Manisha	Prof. J. Ramchander	27.09.2028	Part Time
20	Potharaju Sunil Kumar	Prof. J. Ramchander	19.06.2019	Full Time
21	Ramdas Lakavath	Prof. J. Ramchander	20.06.2019	Full Time
22	Mallikarjun Avudoddi	Prof. J. Ramchander	19.06.2019	Full Time
23	Bhukya Rambabu	Prof. J. Ramchander	18.01.2021	Full Time
24	Vankudoth Sridhar	Prof. P. Vijay Kumar	30.01.2021	Full Time
25	S. Vishnu	Prof. P. Vijay Kumar	14.02.2023	Full Time
26	P. Naresh	Prof. P. Vijay Kumar	06.03.2023	Full Time
27	Manjula Ravi	Prof. P. Vijay Kumar	27.03.2023	Full Time
28	Etikyala Umadevi	Prof. M. Vijjulatha	19.06.2019	Full Time
29	Chennam Prasad	Prof. M. Vijjulatha	26.06.2019	Full Time
30	Chevula Kishan	Prof. M. Vijjulatha	10.07.2019	Full Time
31	Patnam Nagesh	Prof. M. Vijjulatha	01.11.2018	Full Time

32	A. Balaswamy	Prof. M. Vijjulatha	01.11.2018	Full Time
33	Kashetti Vaeshnavi	Prof. M. Vijjulatha	17.12.2018	Full Time
34	V. Muralikrishna	Prof. M. Vijjulatha	07.11.2019	Full Time
35	Ch. Srikanth	Prof. G. Vijaya Charan	15.09.2018	Part Time
36	P. Sailaja Kumari	Prof. G. Vijaya Charan	18.09.2018	Full Time
37	G. Praveen Kumar	Prof. G. Vijaya Charan	04.09.2018	Full Time
38	Ashu Shaik	Prof. G. Vijaya Charan	30.09.2018	Full Time
	R. Venkatesh Nayak	Prof. G. Vijaya Charan	20.02.2021	Full Time
39	G. Anil	Prof. G. Vijaya Charan	14.02.2023	Full Time
40	T. Ashok Goud	Prof. G. Vijaya Charan	20.03.2023	Full Time
	Rachakonda Saidulu	Prof. P. Saritha Reddy	11.09.2018	Full Time
42	Srinivas Kore	Prof. P. Saritha Reddy	12.09.2018	Part Time
43	K. Sampath Kumar	Prof. P. Saritha Reddy	15.09.2018	Full Time
44	B. Soujanya	Prof. P. Saritha Reddy	20.03.2023	Full Time
45	Palleria Rasagna	Prof. P. Saritha Reddy	01.03.2023	Full Time
46	K. Naresh	Prof. D. A. Padmavathi	28.09.2018	Part Time
47	B. Anitha	Prof. D. A. Padmavathi	22.09.2018	Part Time
	B. Sridhar Swamy (T)	Prof. D. A. Padmavathi	27.09.2018	Full Time
49	A.Hari Krishna	Prof. B. Sireesha	07.09.2018	Full Time
50	M. Srinivas	Prof. B. Sireesha	07.09.2018	Full Time
51	A.Suchitha	Prof. B. Sireesha	27.09.2018	Part Time
52	K. Srilaxmi	Prof. B. Sireesha	17.09.2018	Part Time
	Ambala Shankaraiah	Prof. P. Jalapati	27.09.2018	Part Time
54	M. Veerabhadraiah	Prof. P. Jalapati	24.09.2018	Full Time
55	B. Vineesha	Prof. P. Jalapati	07.09.2018	Full Time
	Ch. Venkateshwarlu	Prof. P. Jalapati	20.03.2023	
57	Vudutha Sundarpal	Prof. B. Yadagiri	18.06.2019	Full Time
	Shiva Shankaraiah	Prof. B. Yadagiri	19.06.2019	Full Time
59	Ravula			
60	H. Amool	Prof. B. Yadagiri	27.03.2019	Full Time
61	Eslavath Hanuma	Prof. B. Yadagiri	30.12.2020	Full Time
62	K. Srikanth	Prof. B. Yadagiri	24.03.2023	Part Time
63	Lavudi Suresh	Prof. B. Yadagiri	26.09.2023	
64	M. Pandu	Prof. B. Sakram	27.09.2018	Full Time
65	Myaka Navatha	Prof. B. Sakram	21.03.2023	Full Time
66	Ch. Swaroopa	Prof. A. Hari Padmasri	07.09.2018	Part Time
	A. Vennela (T)	Prof. A. Hari Padmasri	20.09.2018	Part Time
67	A. Jagram	Dr. T. Gangadhar	09.2018	Full Time
	Sirisilla Santhosh Kumar	Dr. T. Gangadhar	05.11.2019	Full Time
69	Gajula Naveen	Dr. T. Gangadhar	30.12.2020	Full Time
70	Rajesh (T)	Dr. T. Gangadhar	2018	
71	K. Vasavi (T)	Dr. T. Gangadhar	2018	

73	T.S. Shobha	Dr. T. Gangadhar	18.03.2023	
74	M. Ram Mohan	Dr. T. Gangadhar	01.09.2018	
75	B. Mohan Babu	Prof. Y. Jayaprakash Rao	03.2017	
76	Shobanaboyina Swapna	Prof. Y. Jayaprakash Rao	21.03.2023	
77	M. Sridhar	Dr. A. Krishnam Raju	14.09.2018	Part Time
78	Jatavath Babu Naik	Dr. A. Krishnam Raju	10.07.2019	Full Time
79	Pothuraju Ravi	Dr. A. Krishnam Raju	24.03.2023	Full Time
80	Kuchipudi Rajasekhar Reddy	Dr. A. Krishnam Raju	25.09.2023	Full Time
81	Perike Nagaraju	Dr. N.J.P. Subhashini	20.12.2018	Full Time
82	Guda Swaroopa	Dr. B. Vijaya Kumar	12.09.2018	Full Time
83	N. Anuradha	Dr. B. Vijaya Kumar	18.09.2018	Full Time
84	Durga Bhavani	Dr. P. Muralidhar Reddy	02.12.2019	Full Time
85	Thongolla Ramesha	Dr. P. Muralidhar Reddy	11.01.2021	Full Time
86	Revathy Sundara Moorthy	Dr. P. Muralidhar Reddy	04.01.2021	Full Time
87	Kore Ranjith	Dr. P. Someshwar	18.06.2019	Full Time
88	Gaddameedi Venkatesh	Dr. P. Someshwar	24.06.2019	Full Time
89	S. Vidya Sagar	Dr. K. Laxma Reddy	14.09.2018	Full Time
90	N. Suryam	Dr. K. Laxma Reddy	07.09.2018	Full Time
91	Ravi Gopalada	Dr. K. Laxma Reddy	20.09.2018	Part Time
92	Jarpula Venkatesh	Dr. K. Laxma Reddy	12.11.2018	Full Time
93	Saranya Y	Dr. K. Laxma Reddy	17.09.2018	Full Time
94	N. Sravanthi	Dr. M. Kavitha	19.09.2018	Full Time
95	U.S.H. Raghavendra Prasad	Dr. M. Kavitha	19.09.2018	Part Time
96	N. Ravi	Dr. M. Kavitha	19.09.2018	Part Time
97	Nakka Srisailam	Dr. M. Kavitha	17.09.2018	Full Time
98	Thukaram Rathod	Dr. M. Kavitha	20.01.2021	Full Time
99	P. Revathi	Dr. P. Saritha Rajender	20.09.2018	Part Time
100	Dasari Mahender	Dr. P. Saritha Rajender	05.11.2018	Full Time
101	M. Raju	Dr. Y. Hemasri	11.09.2018	Part Time
102	P. Naresh	Dr. Y. Hemasri	27.09.2018	Full Time
103	Limbadri Peddi	Dr. Y. Hemasri	19.06.2019	Full Time
104	E. Sharada	Dr. K. Premalatha	28.09.2018	Part Time
105	Ch. Nagendra Babu	Dr. K. Premalatha	30.09.2018	Full Time
106	Barothu Raju	Dr. K. Premalatha	15.09.2018	Part Time
107	A. Ravi	Dr. K. Premalatha	20.03.2023	Part Time
108	K. Ram Mohan	Dr. G. Vijaya Lakshmi	06.09.2018	Part Time
109	G. Vikas	Dr. M. Radhika	29.09.2018	Part Time
110	Pogaku Bhadraiah	Dr. M. Radhika	09.09.2018	Part Time
111	K. Amarender	Dr. M. Radhika	14.09.2018	Part Time

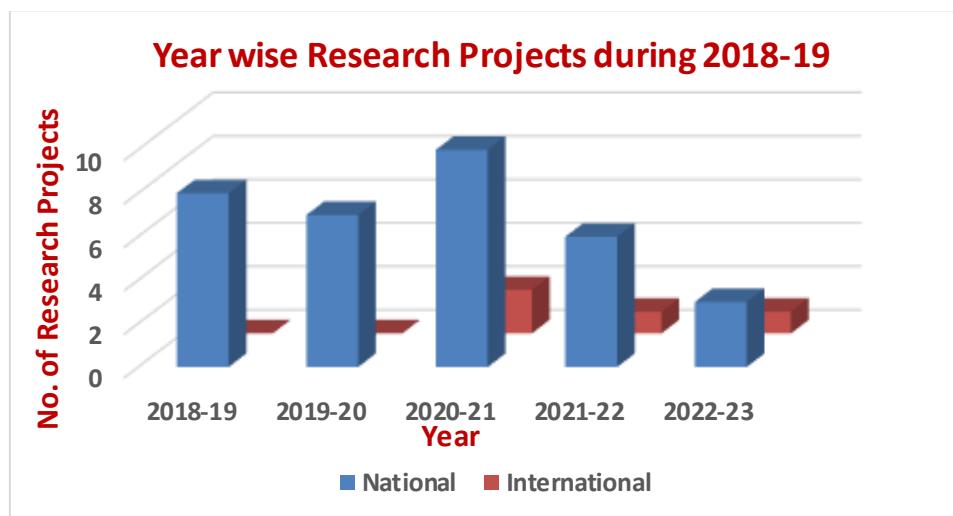
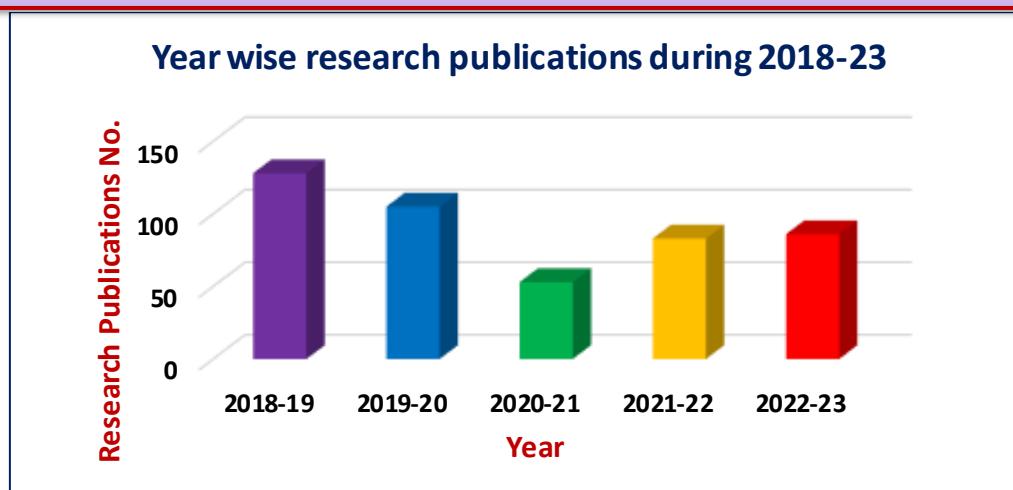
112	Janapati Srinu	Dr. M. Radhika	13.03.2019	Full Time
113	Madisetty Ramya sri	Dr. M. Radhika	20.03.2023	
114	Shanigaram Prakash	Dr. V. Shashikala	20.09.2018	Full Time
115	Azmad Mohammed	Dr. V. Shashikala	24.09.2018	Full Time
116	Banoth Ramesh	Dr. V. Shashikala	06.09.2018	Full Time
117	A. Ramesh	Dr. V. Shashikala	05.11.2018	Full Time
118	Md. Farveen	Dr. Aliya Begum	19.09.2018	Full Time
119	B. Rajitha	Dr. Aliya Begum	12.09.2018	Part Time
120	G. Sreelatha	Dr. Aliya Begum	19.09.2018	Full Time
121	S. Hymavathi	Dr. Aliya Begum	19.12.2018	Full Time
122	E. Balraju	Dr. Aliya Begum	18.09.2018	Full Time
123	D. Thirupathi	Dr. M. Vasavi	09.09.2018	Part Time
124	B. Madhavi Latha	Dr. M. Vasavi	12.09.2018	Part Time
125	G. Priyadarshini	Dr. M. Vasavi	12.09.2018	Full Time
126	K. Vani	Dr. M. Vasavi	2018	
127	G. Sravani	Dr. N. Navaneetha	17.09.2018	Part Time
128	A. Jyothi Laxmi	Dr. N. Navaneetha	28.09.2018	Part Time
129	N. Markandeya	Dr. N. Navaneetha	20.09.2018	Part Time
130	P. Jyothisna	Dr. N. Navaneetha	17.09.2018	Full Time
131	Chowrasia Rakhi	Dr. P. Sunitha Manjari	25.09.2018	Full Time
132	Sulthan Mahesh	Dr. V. Jagadeesh	29.06.2019	Full Time
133	Sampath Kumar	Dr. V. Jagadeesh	17.07.2019	Full Time
134	M. Subhash	Dr. V. Jagadeesh	15.07.2019	Full Time
135	Venkateswarlu Banaji	Dr. V. Jagadeesh	01.03.2019	Full Time
136	Mallugari Mahesh	Dr. V. Jagadeesh	15.11.2019	Full Time
137	Maheshkar Subham	Dr. R. Koteshwar Rao	09.2021	
138	Kelooth Narender	Dr. R. Koteshwar Rao	09.2021	
139	Enjapuri Samrpana	Dr. R. Koteshwar Rao	09.2021	
140	S. Srinivas	Dr. R. Koteshwar Rao	20.03.2023	
141	D. Mallesh	S. Aravind	29.03.2018	
142	G. Anjanbabu	S. Aravind	27.03.2023	
143	Kathi Hareesh	S. Aravind	27.09.2023	
144	Vanga Anusha	Dr. K. Shiva Kumar	12.09.2018	
145	P. Krishna Kumar	Dr. K. Shiva Kumar	28.09.2018	Part Time
146	Mucherla Lingaswamy	Dr. K. Shiva Kumar	19.11.2019	Full Time
147	Peramalla Edukondalu	Dr. K. Shiva Kumar	18.01.2021	Full Time
148	P. Purushotham Reddy	Dr. Raju Jannapureddy	30.09.2018	Part Time
149	Md. Khaleel	Dr. Raju Jannapureddy	29.09.2018	Part Time
150	Nunavath Sharadha	Dr. Raju Jannapureddy	20.06.2018	Full Time

## Research Projects On-going projects Year-Wise 2018-19 Onwards

Departmental projects are funded by UGC-SAP, DBT, DST-FIST and DST-PURSE etc., as well as through individual faculty projects. The recent grants of the faculty from various funding agencies are~ 10 Cr. They are:

Department of Chemistry					
Description	2018-19	2019-20	2020-21	2021-22	2022-23
Number of Research Projects:	08-Major, 14-Minor	07- Major, 31-Minor	10-Major, 36-Minor	06-Major, 1 0-Minor	03-Major, 02-Minor
Total Grants Received	Rs. 2,03,48,056	Rs. 2,19,17,400	Rs. 3,30,22,000	Rs. 1,80,24,233	Rs. 83,23,676
Inter-institutional collaborative projects and associated grants received -National collaboration -International collaboration	-none	-none	Dr. P. Muralidhar Reddy as Co-PI with Buddhist Tzu Chi Medical Foundation & Tzu Chi University, Hualien, Taiwan for a sanctioned amount of Rs. 29,30,838/-  Dr. P. Muralidhar Reddy as Co-PI with TDTU, Vietnam for an amount of Rs. 29,25,882/-  DMRL-DRDO project with Dr.P. Someshwar as Co-PI with a grant of Rs. 15,71,570	Dr. P. Muralidhar Reddy as Co-PI with Ministry of Science and Technology (MOST), R.O.C., Taiwan for an amount of Rs. 25,52,106/-  DMRL-DRDO project with Dr.P. Someshwar as Co-PI with a grant of Rs. 15,71,570	Dr. P. Muralidhar Reddy as Co-PI with Ministry of Science and Technology (MOST), R.O.C., Taiwan for an amount of Rs. 25,52,106/-DMRL-DRDO project with Dr.P. Someshwar as Co-PI with a grant of Rs. 15,71,570
Departmental projects funded by UGC-SAP, DST-FIST, DST-PURSE etc.; Total grants received	DST-PURSE:  Rs. 12,00,000	UGC-UPE-FAR, DST-PURSE  22,00,000	UGC-UPE-FAR, DST-PURSE  27,00,000	DST-PURSE  12,00,000	TSCOST  8,00,000

## Number of Research publications -National/International projects year-wise 2018-19 onwards (bar chart)



Sr. No.	Description	2018-19	2019-20	2020-21	2021-22	2022-23
1.	Numbers of Papers Published:	128	105	53	83	86
2	Numbers of Books with ISBN:	04	11	05	13	02
3	Numbers of Journals with ISSN:	128	105	53	83	86
4	Numbers of Creative Writings:	-	-	--	---	---
5	Numbers of Text Books:	02	06	04	07	02

## Patents Filed and Granted

1. Dr Muralidhar Reddy has 1 International and 1 National patent (2019-20)
2. Prof P Jalapathi has 2 National patents. (2021-22)

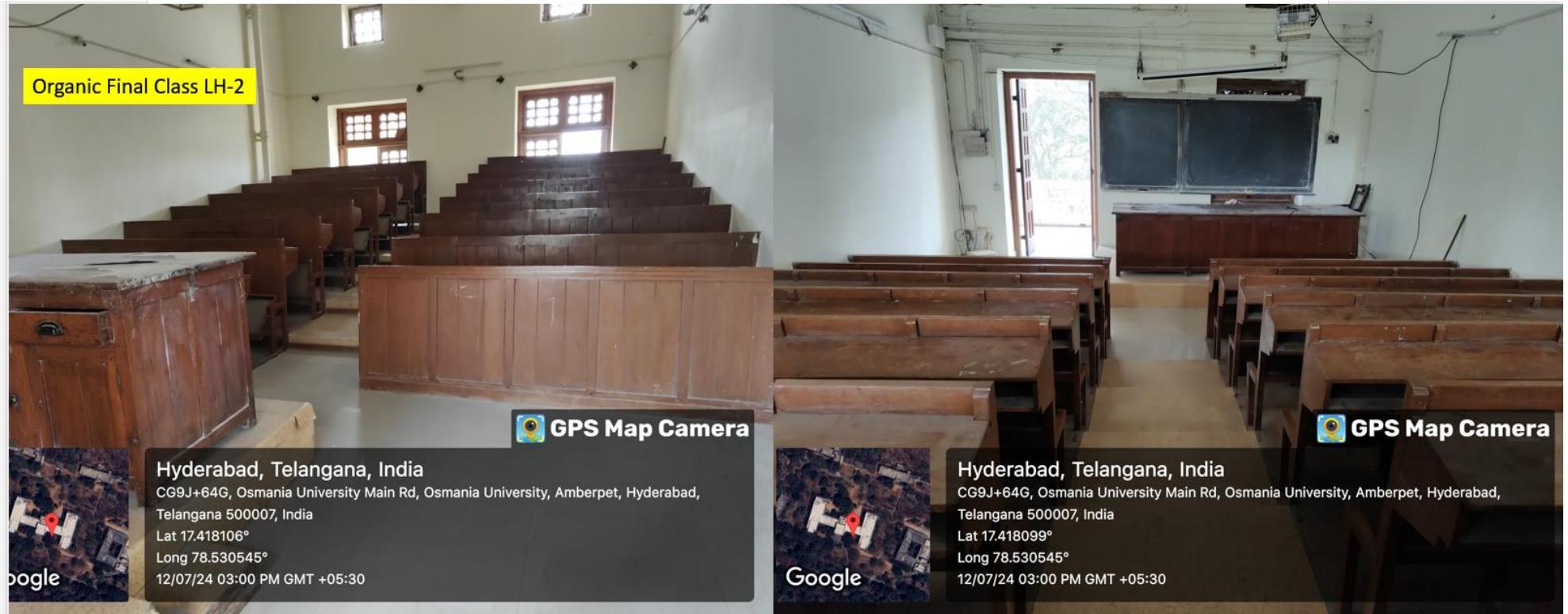
### Special research laboratories/language labs/computer labs/observatory

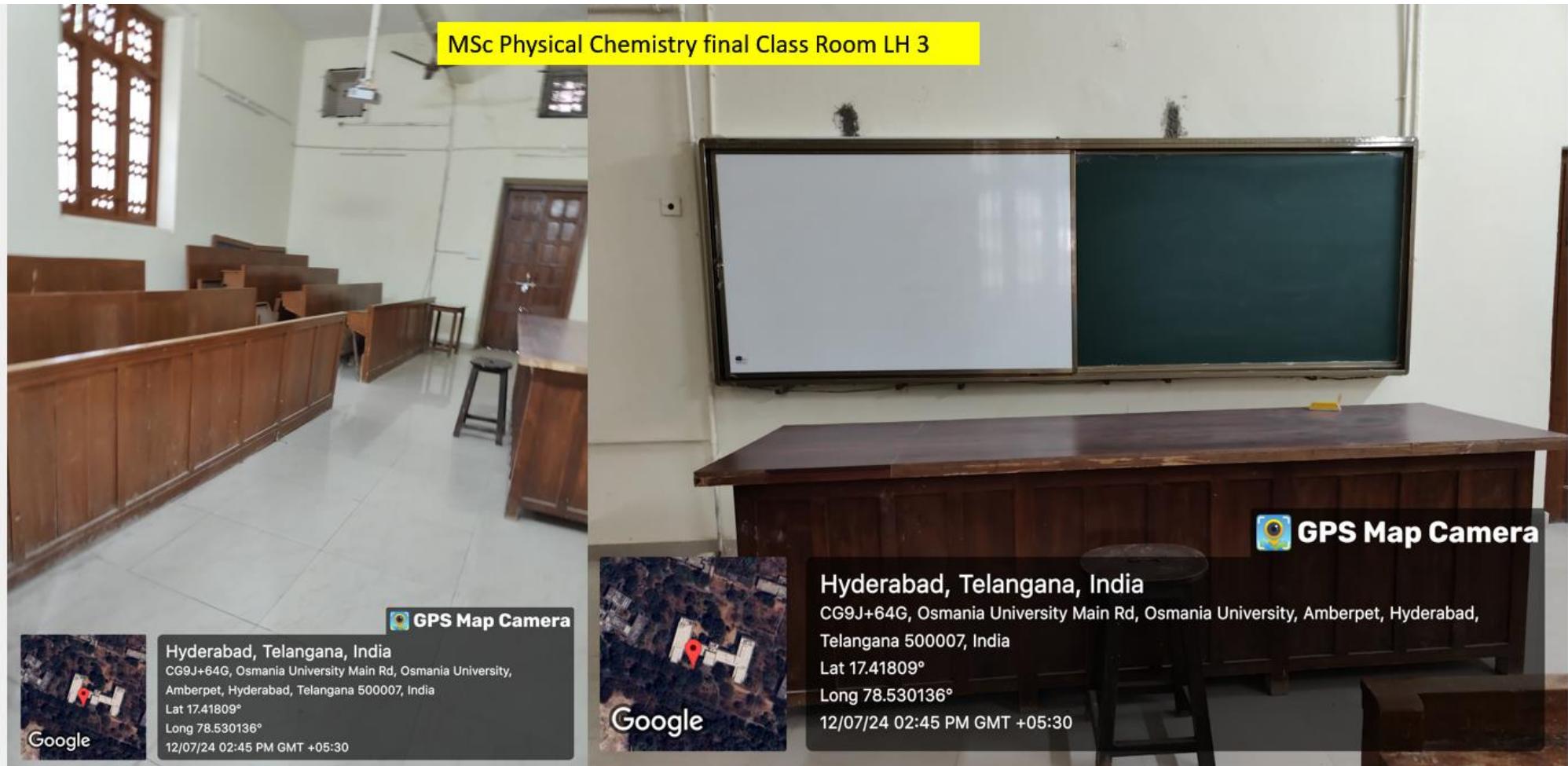
S.No.	Facilities	Number
1	Total number of class rooms	5
2	M.Sc Class rooms with LCD facility and Digital Boards	5
3	M.Sc Students laboratories	8
4	Staff rooms with desks, computers, cupboards & Lockers	20 staff rooms +30 computers
5	Research Laboratories	20
6	Instrumentation Labs	3
7	Computer Networking Labs (Web Resources viz.,Scifinder)	2 along with 20 computers.

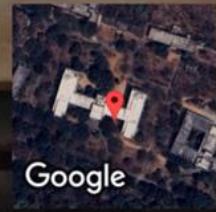
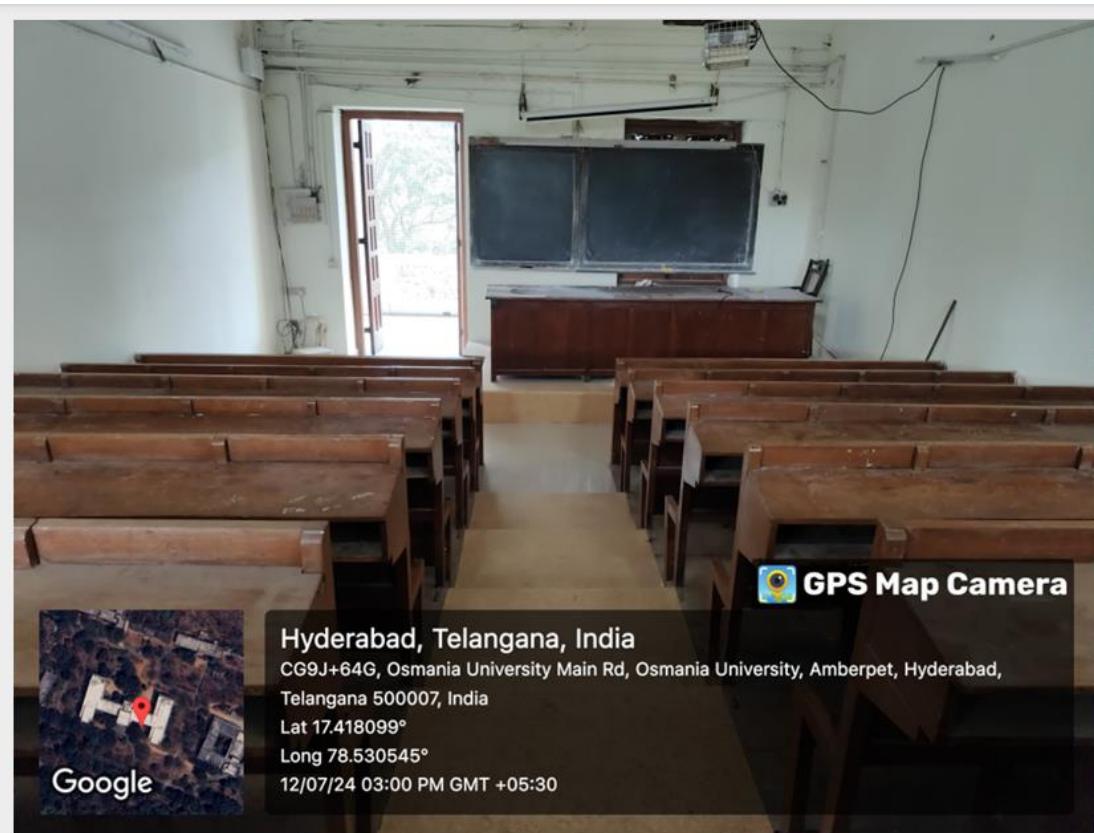
**Broad band high speed Internet available with Wi-Fi facility for all staff and students.**

### Computer Lab









Hyderabad, Telangana, India

CG9J+64G, Osmania University Main Rd, Osmania University, Amberpet, Hyderabad,  
Telangana 500007, India  
Lat 17.418099°  
Long 78.530545°  
12/07/24 03:00 PM GMT +05:30

GPS Map Camera



GPS Map Camera

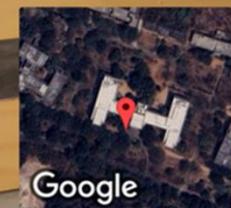
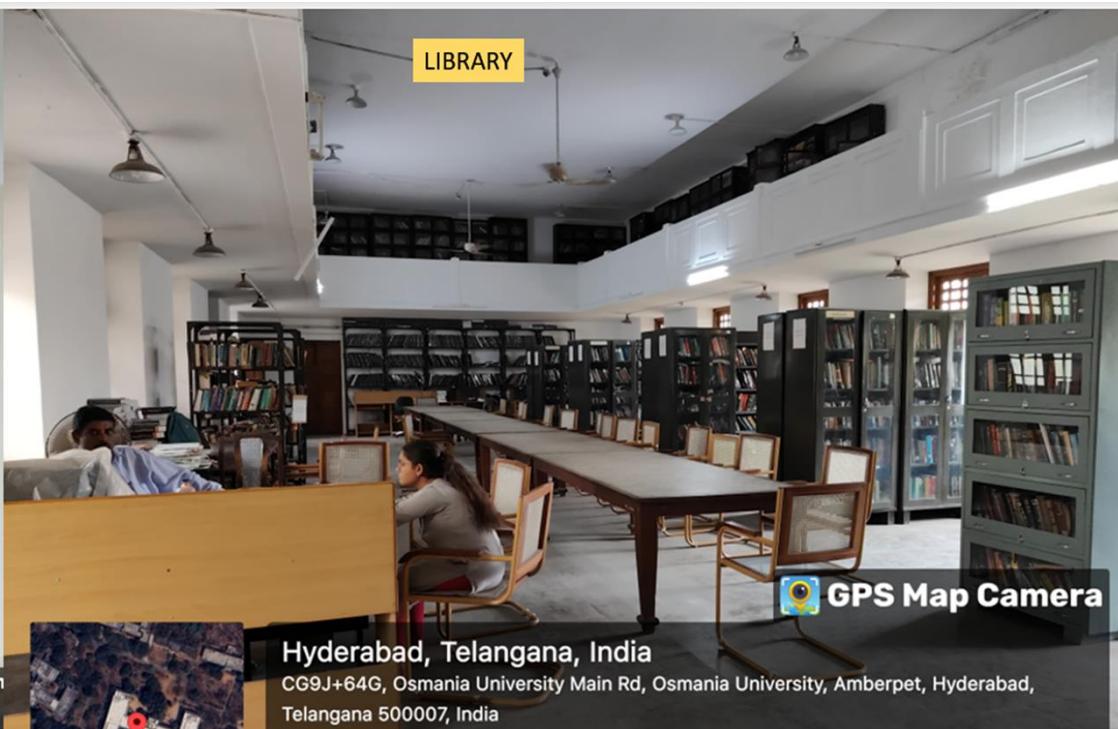
Hyderabad, Telangana, India

CG9J+64G, Osmania University Main Rd, Osmania University, Amberpet, Hyderabad,  
Telangana 500007, India  
Lat 17.418106°  
Long 78.530545°  
12/07/24 03:00 PM GMT +05:30



Hyderabad, Telangana, India

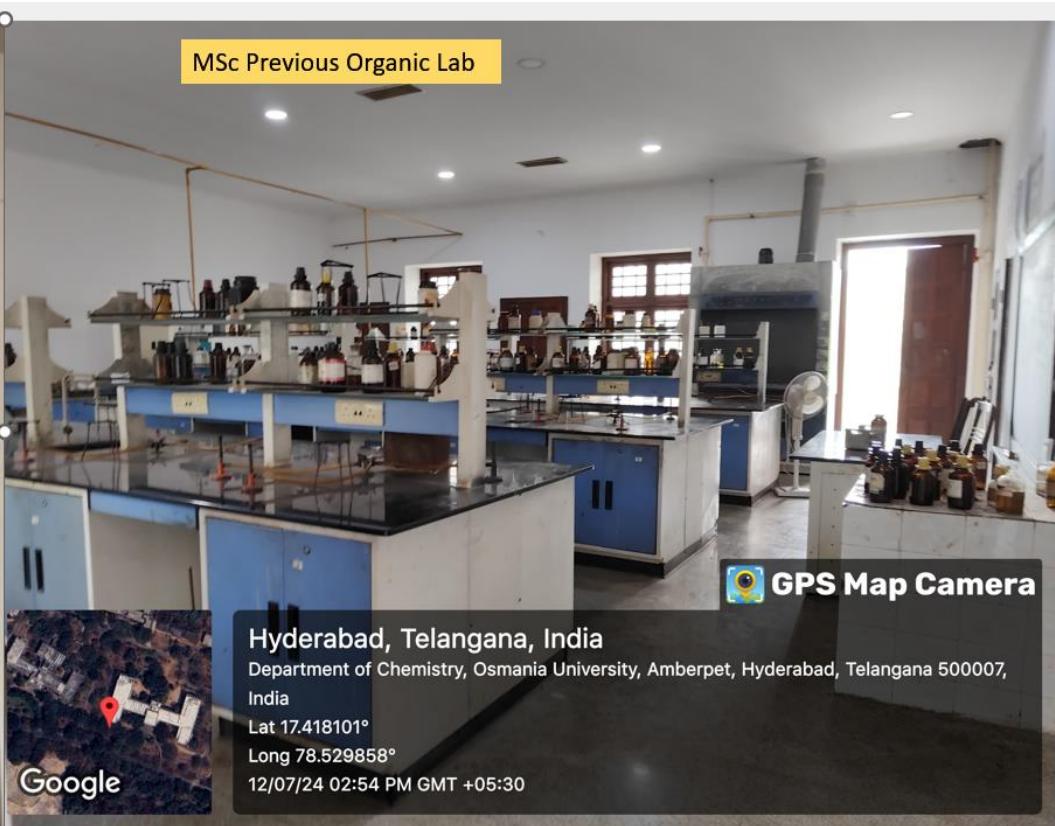
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Amberpet, Hyderabad, Telangana 500007, India  
Lat 17.418055°  
Long 78.530164°  
12/07/24 02:58 PM GMT +05:30



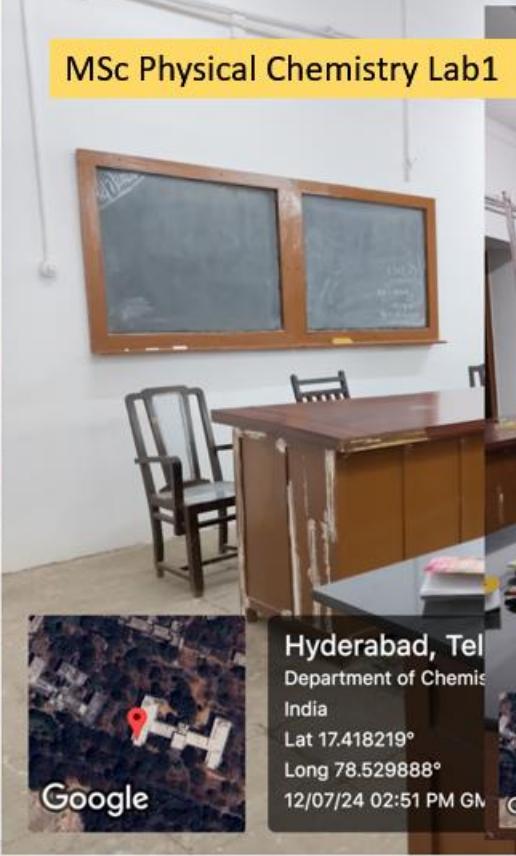
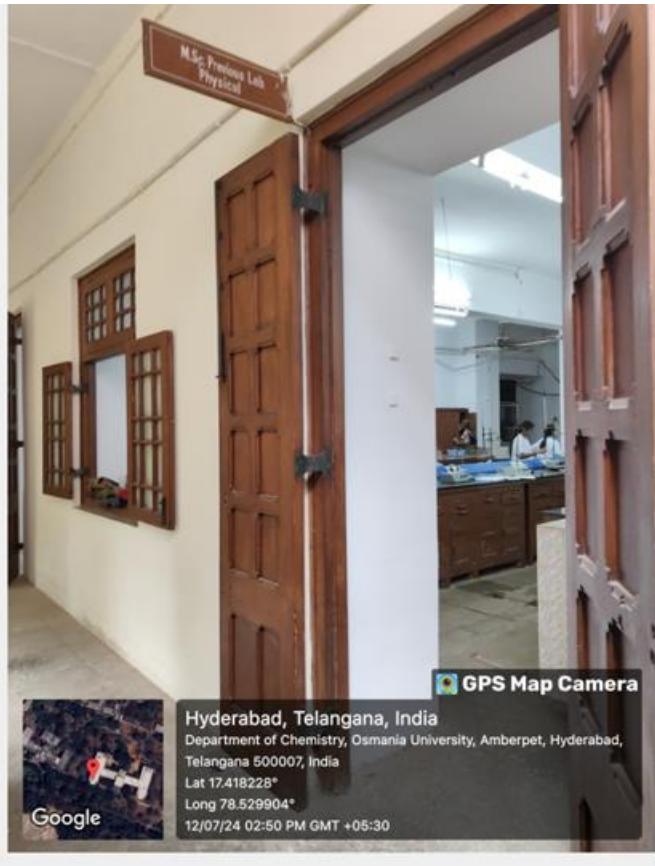
Google

Hyderabad, Telangana, India

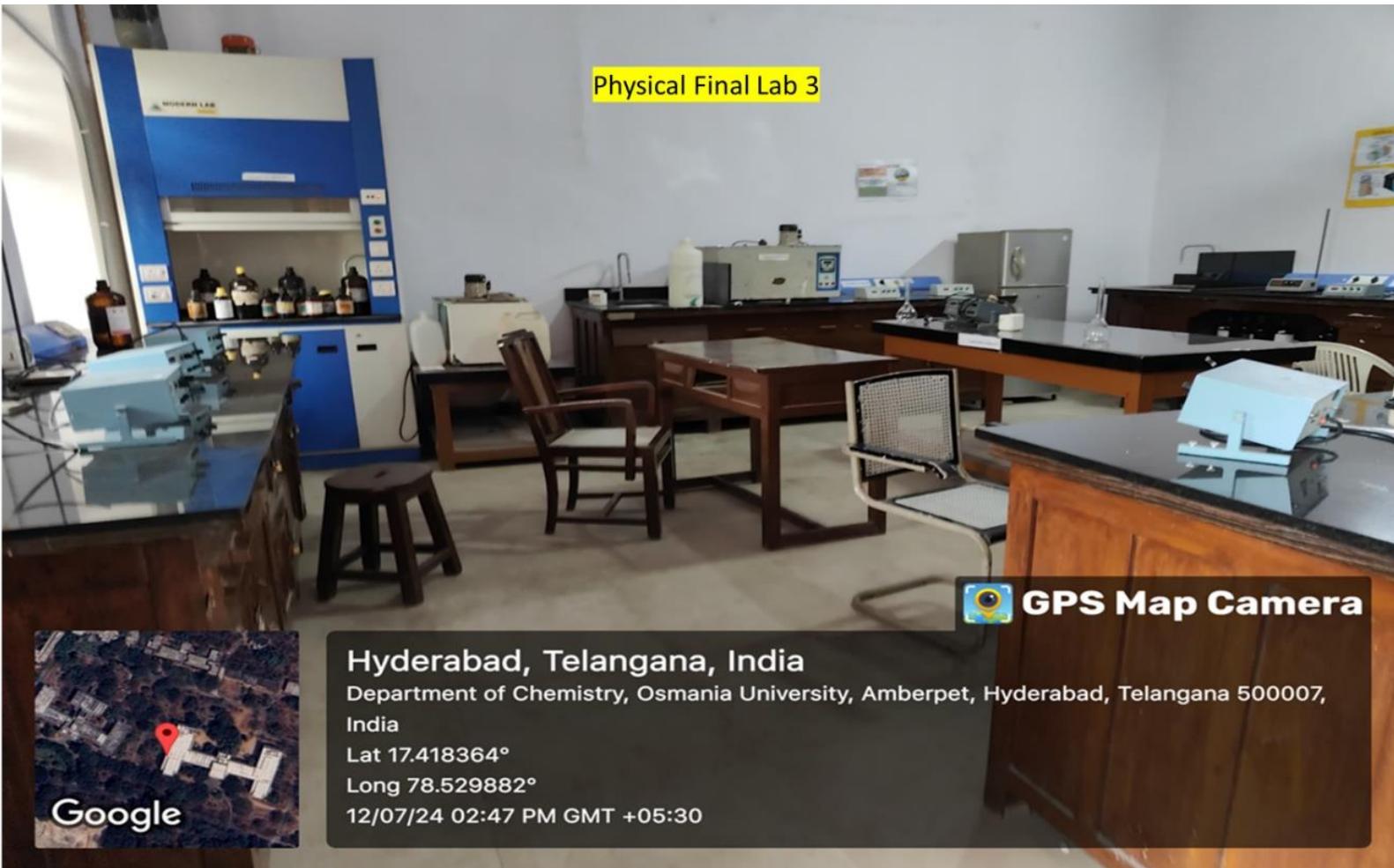
CG9J+64G, Osmania University Main Rd, Osmania University, Amberpet, Hyderabad,  
Telangana 500007, India  
Lat 17.418113°  
Long 78.530217°  
12/07/24 02:58 PM GMT +05:30

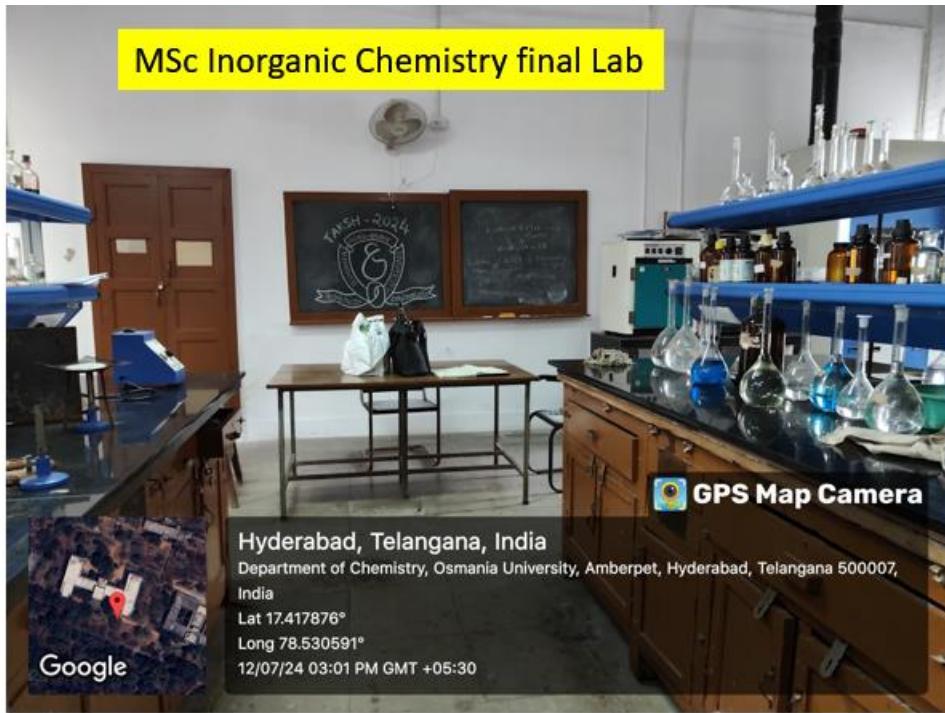


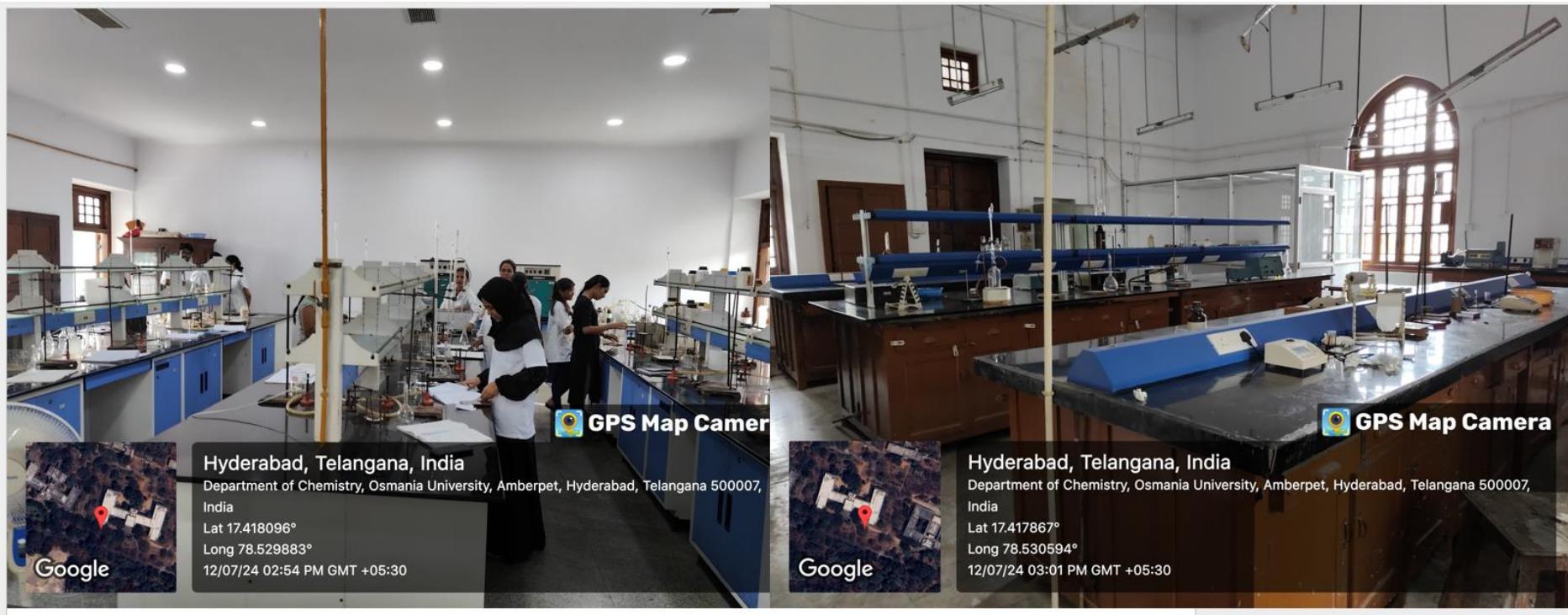










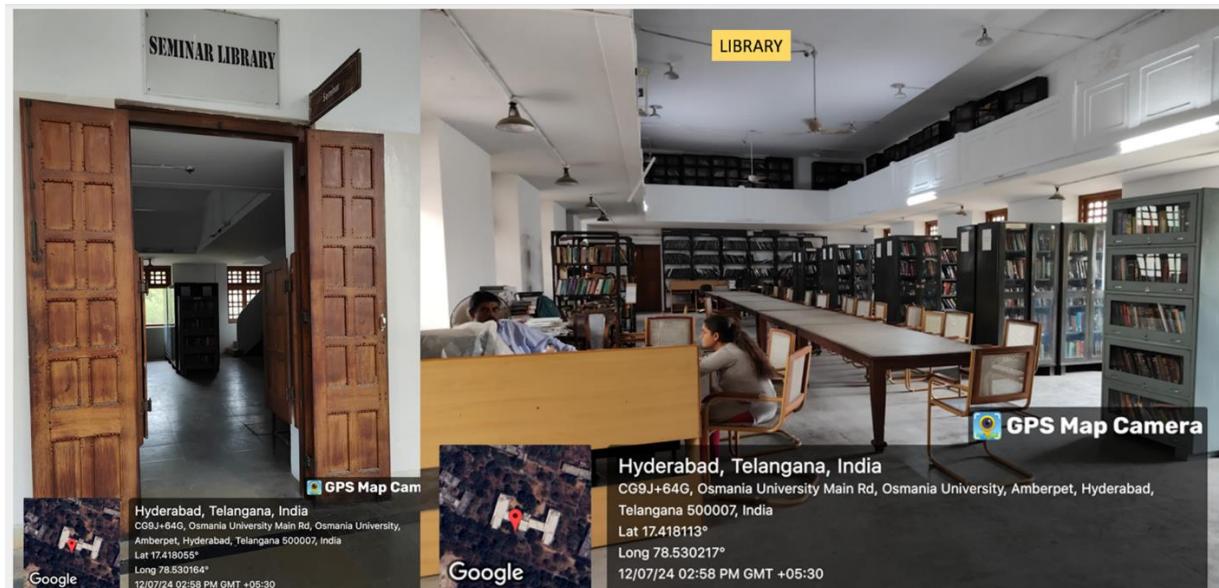


## Library

Department has a good library facility with more than 11,000 books apart from about 300 reference books. There are about 1,000 thesis books of all the Ph.Ds awarded from the dept. of chemistry. It has subscribed about 4 journals and all the previous copies of these journals are available in the library.

S.No.	Library Facilities	Number
1	General Books	~11,000
2	Reference Books	250
3	Theses	745
4	Journals Subscribed 1. Heterocyclic Communications 2. Journal of Indian Chemical Society -A 3. Journal of Indian Chemical Society -B 4. Indian Journal of Heterocyclic Chemistry	891

\*Reprography facility is available



**A Double Storied Library**

## Computer Lab

S.No.	Name of the ICT facility	Available in room no.	Purpose
1	Computer Networking Labs (WebResources Viz.,Scifinder) Broad band high speed Internet available with Wi-Fi facility for all staff and students. Can accommodate 20 people	CL-1	To use computer tools like chem draw for lab purpose

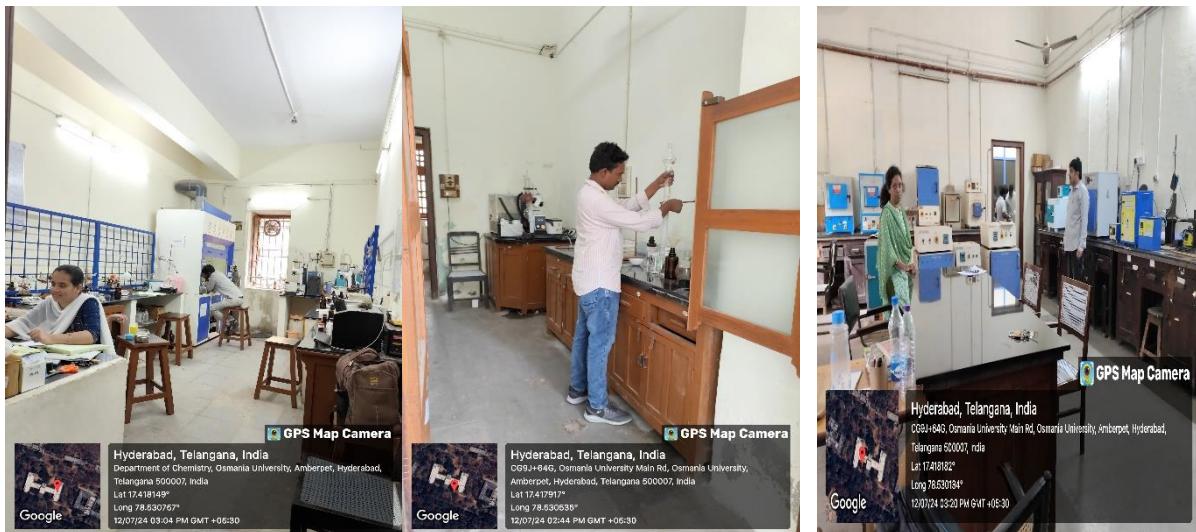


## 2. List of the instruments available for the use of students and research scholars

### Instruments

**Details of Research Laboratories (With name and Equipment available):** A total of about 20 research laboratories are available with the following equipment for the usage of research scholars and faculty members.

Rota evaporators	Hot air ovens
Fume Hoods	Muffle Furnaces
Centrifuge	Hot plates & Magnetic stirrers
Vacuum pumps	Autoclaves
Microwave Ovens	Hydrothermal Bombs
Microwave Reactor	Photochemical/catalytic reactors
Water baths	Ultrasonicator
Distilled water plant	UV-Visible Spectrometers
Electrophoresis unit	pH meters
Ultra Chill low temp. bath	Digital balances with 4 digit display (Chemical resistant)
Nitrogen and Argon Cylinders with regulators	Refrigerators
Melting point apparatus	Laminar flow facility



**Major Instruments:** Some of the major equipment and instruments available in the department:

Powder X-ray Diffractometer	HPLC
Flourescence Spectrometer	Rotary evaporators
UV-Vis Spectrophotometer	Soxhlet Extraction Mantle CIC-27
FT-IR	Kjeldahl Assembly Heater CIC-25
Electrochemical Workstation	Electrophoresis apparatus
Muffled Furnaces	Schrodinger Software
Hydrothermal Bombs	SYBYLsoftware (for Molecular Modelling)
UV-Vis Near IR Spectrophotometer	Photochemical Reactors
CHN Analyzer	Miniflex Desktop Powder XRD

### **Central Instrumentation Lab Facility @ Department**

Two central instrumentation labs are established with the instruments acquired from DST-FIST & RUSA 2.0 funds over a period of time. Also, a glass blowing facility available for making required lab glassware for the research labs and students labs.

The following instruments are available in these Labs:

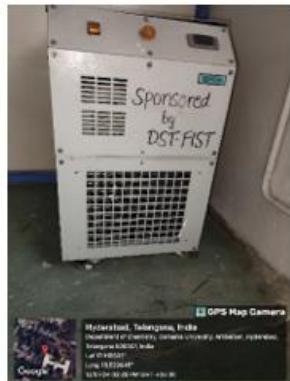
<b>XRD Instrument</b>	<b>Vacuum Pumps</b>
Flourescence Spectrometer	Magnetic stirrers cum Hot plates
CHNSO analyzer	UV-Chamber
Electrophoresis Unit	Soxhlet Extract
Electrochemical Workstation	Kjeldahl Assembly Heater
UV-Visible Spectrometer	Vacuum Pumps
FT-IR Spectrometer	Magnetic stirrers cum Hot plates
Rota evaporators	UV-Chamber
Hot Air Ovens	Soxhlet Extract

## Central Instrumentation Lab Facility @ Department

**Miniplex Benchtop XRD Instrument**



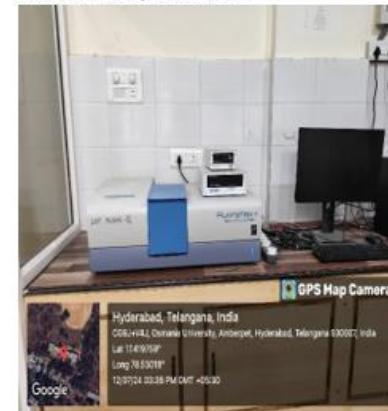
**Chiller of XRD instrument**



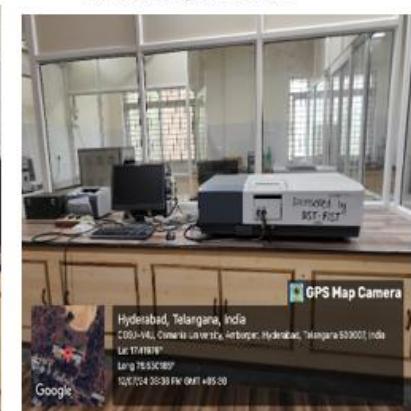
**XRD instrument**



**Fluorescence Spectrometer**



**UV-Visible Spectrometer**



**FT-IR Instrument**



**KBr Pellet Press**

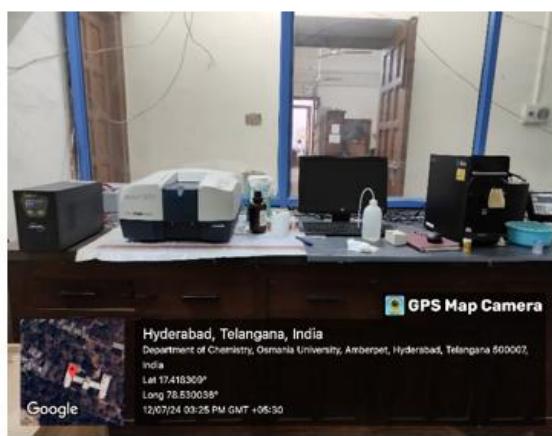


## Central Instrumentation Lab Facility @ Department

**Photocatalytic reactors**



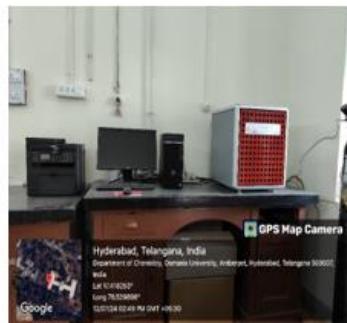
**UV-DRS**



**CHNSO Analyzer**



**Electrophoresis Instrument**



**Electrochemical Workstation**



**Miniplex Benchtop XRD Instrument**



**Chiller of XRD instrument**



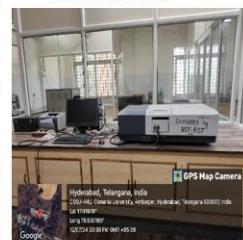
**XRD instrument**



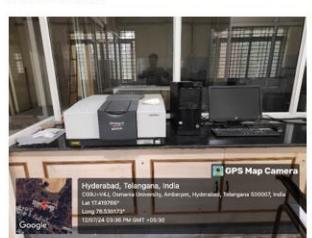
**Fluorescence Spectrometer**



**UV-Visible Spectrometer**



**FT-IR Instrument**



**KBr Pellet Press**



**Seminars/Workshops/Conferences organized by the Department year wise**

1.	Number of Seminars/Workshops/ Summer Schools etc.	1 Seminar 2 Workshops	1 International Conference 2 Workshops 1 Seminar	4 International Webinars, 2 National Webinars	1 workshop  Online Step-UP mentoring programme series and Entrepreneurship series in coordination with Chemistry Alumni of OU for the MSc and Research students.  Special Training Program for SC/ST students of the Dept. of Chemistry offered by CMET, Hyderabad in July & September 2021  Chem fest 2022 for National Science Day celebrations  OU TAKSH 2022-OPEN DAY  OU TAKSH Alumni DAY 2022	1 International Seminar OU TAKSH 2023-Open Day
	Seminars, Conferences, Workshops	19	17	25	17	16
	Professional Development/ Administrative training programmes organized by the Department	1 Faculty development programme & 1 workshop for the teaching staff & research scholars	2 workshops for teaching staff & Research scholars		UGC-HRDC Refresher Course in Chemistry during 20-01-2022 to 03-02-2022	

**Seminars/Workshops/Conferences organized by the Department year wise**

<b>S.No.</b>	<b>Events in 2020</b>
1	International webinar “Heterogeneous Catalysis: Rudiments & Industrial Relevance” on 13 <sup>th</sup> July 2020
2	Online quiz CHEMCOGNIZANCE on 24 <sup>th</sup> & 26 <sup>th</sup> July 2020
3	National webinar Role of Chemist in COVID 19 Pandemic an Interactive session with Distinguished Alumni of Chemistry on 1 <sup>st</sup> Aug'2020
4	International webinar on Recent Advances in Organic Synthesis & Clinical Trial Process for Drug Approval on 3 <sup>rd</sup> Aug'2020
5	2 Day International Webinar on Real World Applications of Nanomaterials on 4 <sup>th</sup> & 5 <sup>th</sup> Aug'2020
6	Two-day National webinar on Online Teaching Tools for the faculty -Live Sessions on 5 <sup>th</sup> & 6 <sup>th</sup> August 2020
7	International webinar lectures on “Talk to your Peer”on 29 <sup>th</sup> August 2020
8	National Webinar “Special lecture Series in Chemistry” from 24 <sup>th</sup> – 28 <sup>th</sup> Aug'2020
<b>S.No.</b>	<b>Events in 2021</b>
9	Online Lecture-Interactive Session for Students on “ <b>Dealing with the Challenges of the Pandemic: A Psychosocial Perspective</b> ” 14 <sup>th</sup> August 2021 @ 11 a.m., by <b>Dr G Padmaja</b> , Associate Professor & Head, Centre for Health Psychology, School of Medical Sciences and Deputy Dean, Student Welfare, University of Hyderabad organized by Dept. of Chemistry, UCS, OU for M.Sc I year and II year students.
10	OU-DST-PURSE-II SPONSORED ONE DAY WORKSHOP ON “X-RAY DIFFRACTION & FLOURESCENCE SPECTROSCOPY” On 31 <sup>st</sup> DECEMBER 2021 was organized by the Dept. of Chemistry, UCS, OU for MSc students and Research Scholars  Lecture-1: XRD as a tool for Characterization of Chemical Compounds by Prof K VenkateshwaraRao, Controller of Examinations& Professor, Center for Nano Science & Technology, JNTU-H, Hyderabad  Lecture-2: Fluorescence Spectroscopy and its application in chemical analysis by Dr Giribabu L.Senior Scientist, Department of Polymers & Functional Materials, CSIR-IICT, Hyderabad  Demonstration of Powder XRD Instrument & Fluorescence Spectrometer by Dr P Someshwar ,Assistant Professor, Dept. of Chemistry, OU
<b>S.No.</b>	<b>Events in 2022</b>
11	<b>International Seminar on Current trends and futuristic challenges in chemical sciences CTAFCCS 29-30<sup>th</sup> July 2022</b>

	<p>Chemistry plays a central role in tackling many challenges. Indeed for decades chemists have provided countless solutions that have greatly contributed to the health, well-being and development of humankind, from the discovery of new medicine to the purification of water. There may be exciting new inventions and discoveries that help us see a brighter future but still many more discoveries are needed. Keeping this in view, the chemistry department, Osmania University has taken an initiative to organize an international seminar in this area.</p> <p>Over five hundred participants including faculty members and students have participated in the seminar. One keynote, seven plenary lectures and ten invited talks were delivered by eminent and outstanding speakers from across the globe. About 200 posters and 42 oral presentations were made by the participants mostly research scholars, some of the scientists, academicians and students pursuing post-graduation and under graduation as well.</p> <p>Some of the delegates of the seminar gave their feedback appreciating the hospitality and efforts of the organizers and requested that more such seminars be organized by the Department in future as well to encourage the research scholars and students. The delegates who present the best were awarded best poster and best oral presentation awards with cash prizes as well as certificates. 10 best poster awards and 5 best oral presentation awards were bestowed along with three special awards.</p>
12	<p><b>OU TAKSH: OPEN DAY</b> was celebrated on <b>24<sup>th</sup> March 2022</b> with great enthusiasm by the Dept. of Chemistry, UCS, OU with many displays by the MSc Students exhibited for the students of Intermediate, UG &amp; PG from various colleges from twin cities viz., St. Pious College for Women, Nacharam, RBVRR College for Women, Narayanaguda, City College, Vivekananda College, Adikmet, Govt. Degree College for Women, Begumpet, Social Welfare College for Women, Chaithanyaapuri, Dr B R Ambedkar Degree &amp; PG College, Baghlingampalli, Anwar-ul-uloom UG &amp; PG college, Keshav memorial College, Narayanaguda, NB Science College, Aurora Degree College, Veda Degree College, Bhavan's college, Sri Sai Vikas College, AV College, Vanthi Institute of Engineering, Little Flower Degree College, St. Francis College, Secunderabad, AMS College, Govt. Degree College for Women, Hussainialam, SNIST college, Ideal College, Kakatiya Govt. College, Hanumakonda, Telangana Social Welfare Residential Degree College, Suryapet, Sindhu Degree College, Jahnavi PG College, Sarojini Naidu Vanitha Mahavidyalaya, Hyderabad Public School, Students from various other departments of OU Science College and Arts College as well.</p>
13	<p><b>OU TAKSH: ALUMNI DAY</b> was also celebrated with great enthusiasm on <b>25<sup>th</sup> March 2022</b> and many distinguished Alumni from Academia and Industry have participated and expressed their views in this regard. Scientists from IICT such as Dr. N. Lingaiah, Dr. Chinna Raju, Retd. Vice-chancellors such as Prof.K.Veera Reddy, Prof. S. Sathyanarayana and many other retd. Teachers from the dept.of Chemistry have participated in the event. Dr Nagaiah, Founder and M.D. of Sidhartha Institutions also spoke on this event and expressed his desire to support the department by all means. Sri</p>

	Bhaskar Reddy, Retd. IRS and General Secretary of OUCF and Smt. Parvathi Sastry, Treasurer, OUCF also were present and spoke on this occasion.
14	Guest Lecture on Synthetic methodologies to drug discovery to treat Epilepsy and Alzheimer's disease and Interactive session by Dr Ganesh Thota on <b>29th NOV, 2022</b>
<b>S.No.</b>	<b>Events in 2023</b>
15	Guest Lecture by Prof. H S P Rao, Director & Scientific Advisor, Teadus Pharma Pvt. Ltd. Hyderabad & Retd. Prof. In Chemistry, Pondicherry University On "Synthetic Studies On Urothilin on the occasion of superannuation of <b>Prof. P Leelavathi</b> of Dept. of Chemistry, OU for the MSc students, Research Scholars and faculty members at 10:00 a.m. on <b>30th October 2023</b> .
16	The Department of Chemistry at UCS, OU, organized an <b>Induction Program</b> for first-year M.Sc. Chemistry and Forensic students. The guest speakers were A. Srinivas Reddy, Motivational Speaker and Director of iCare Academy, and Amiige Ramoji Rao, Mind and Brain Trainer Coach. They highlighted important skills for career success and advised students to plan their careers ahead to achieve success <b>25th November 2023</b> .
17	Refresher Course in Chemistry with the <b>Theme: Comprehensive Chemical Analysis and Characterization, was conducted by Prof. D. A. Padmavathi as the Course Coordinator from Dept. of Chemistry, OU</b> organized under UGC- MMTTC (HRDC), OU from 6 <sup>th</sup> to 20 <sup>th</sup> December 2023.
18	MSc Chemistry I year students of the Dept. of Chemistry, OU participated on 15 <sup>th</sup> December 2023 in the National Seminar on “Science and Society 2023” with the theme of Bridging the Gap: Science and Society in the 21 <sup>st</sup> Century Organized by IGNA and CSIR-IICT on special invitation from CSIR-IICT.
19	Inauguration of refurbished computer lab of the Dept. of Chemistry, OU with 20 computers sponsored by Aurobindo Pharma Foundation Members Sri. K. Nityananda Reddy, Sri P. Sarath Chandra Reddy and Sri S. Sadananda Reddy on 22 <sup>nd</sup> December 2023
20	Guest Lecture by <b>Prof. Tushar Jana</b> , Professor, School of Chemistry, University of Hyderabad, was arranged on 30 <sup>th</sup> December 2023 on the occasion of superannuation of Prof. U. Umesh Kumar of Dept. of Chemistry, OU for the MSc students, Research Scholars and faculty members at 10:00 a.m. Title of the Talk: " <b>Polymer Nanomaterials: Design, Synthesis and Applications</b> "
<b>S.No.</b>	<b>Events in 2024</b>
21	<b>Silver Jubilee Alumni Meet of 1996-98 MSc Chemistry batch</b> was organized in association with the Dept. of Chemistry for the felicitating the senior retired teachers who served the department during that period on 6 <sup>th</sup> January 2024.
22	Guest Lecture by <b>Dr. P. K. Jain, Associate Director</b> , ARCI, Hyderabad, was arranged on 30 <sup>th</sup> January 2024 on the occasion of superannuation of Prof. P.V. Anantha Lakshmi of Dept. of Chemistry, OU for the MSc students, Research Scholars and faculty members at 10:00 a.m. Title of the Talk: " <b>Synthesis, Characterization &amp; Applications of Carbon nanomaterials</b> "
23	<b>16<sup>th</sup> Padmabhushan Prof T R Seshadri (FRS), Memorial Lecture by</b>

	<p><b>Prof. G S R Subba Rao</b>, MSc, DSc (Andhra Univ.), Shanti Swarup Bhatnagar Awardee, Retd. Professor and former chair of the department of sciences, IISc, Bangalore <b>on “Natural Products”</b> was organized in association with RSC, Deccan Chapter, India for MSc students, Research Scholars and faculty members of the Dept. of Chemistry, OU on 3<sup>rd</sup> February 2024. It was followed by Book release on <b>“Practical Organic Chemistry-Primer”</b> Written by <b>Prof. V. Peesapati</b>, Chairman, RSC-LSD, India</p>
24	Department of Chemistry in collaboration with Human Capital Development Centre (HCDC), Osmania University facilitated a Campus Recruitment Drive for Aragen Life Sciences on 15th February 2024 at e - Classroom, CFRD Building, OU Campus for M.Sc Chemistry students. Around 30 students attended the recruitment drive. Initially written test was conducted wherein 8 students were shortlisted followed by technical interview.
25	Taksh 2024 was conducted on 24th, 25th & 26th April 2024 @ Department of Chemistry University College of Science Osmania University Hyderabad - 7; Telangana State India.
26	Human Capital Development Centre (HCDC), Osmania University in collaboration with Department of Chemistry, UCS, OU has organized a Free Training Program on “Interview Preparation Skills” for Post Graduate Students & Research Scholars of Dept. of Chemistry, University College of Science, OU on July 6, 2024 at Lecture Hall-1 , Dept. of Chemistry, UCS, OU..

## Infrastructure –Photos

**Instruments:** Some of the major equipment and instruments available in the department:

### *Research Facilities*

<b>Items</b>	<b>No.</b>	<b>Items</b>	<b>No.</b>
FT-IR Spectrophotometers	2	Iceflaker machine	1
UV-Vis Spectrophotometers	4	Polarimeter PA-IR	1
Powder XRD	1	SPR 165	1
Miniplex Rigaku Benchtop Powder XRD	1	Photochemical reactor IWQ2	1
Electrochemical workstation	1	Digital Automatic Melting Point Apparatus VMP-II	1
HPLC	2	Electrophoresis apparatus (Biotech)	1
Rotary evaporators	4	Incubator	1
Fume Hoods	10	Muffle Furnace CIC-106C	1
Thermo gravimetric balance	1	Pocket Refractometer	1
CHNSO Analyzer	1	Flame Photometers	1
Hydrothermal Bombs	2	Ion Analyzer	1
Spectro fluorophotometer RF – 5301PC	1	Digital Salinity meter	1
Visible Double Beam Spectrophotometer1203	1	Analytical balance CA-224	1
Rotary Vacuum Evaporator R/185	1	Vacuum Pump	1
Fast Clean Ultrasonic Cleaners	1	Microwave Oven 25 Lt capacity	1
Kjeldahl Assembly Heater CIC-25	1	Water Deionizer plant	1
Soxhlet Extraction Mantle CIC-27	1	Cryostat -40 °C to +60 °C,	1



Powder XRD (DST FIST)

### Spectro Fluorometer (DST FIST)



### Faculty Research Labs



Laminar Flow



BOD Incubator



Heating Furnace

## Extracurricular activities

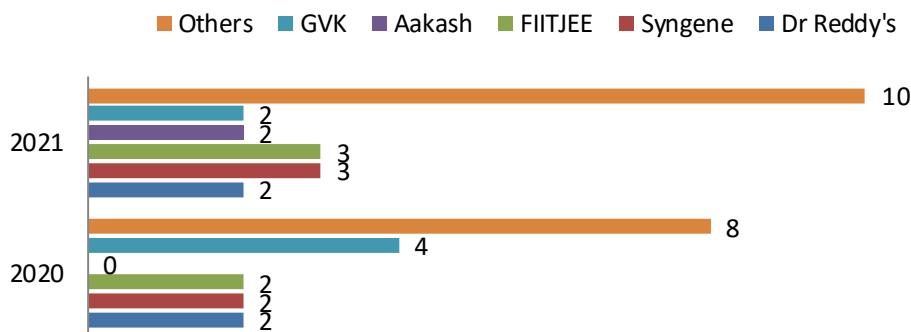
<b>1</b>	Ms. Ch Sowmya, Ms. S Oohashree and Ms. N. Sai Namratha of MSc Organic Chemistry I year 2019-21 batch were selected for CSIR Summer Research Training Programme and had completed the online programme from June to August 2020.
<b>2</b>	Ms Ch Sowmya of MSc Organic Chemistry I year 2019-21 batch has participated in Inter – Collegiate E.Competition on “World Environment Day” organized by A.V. College held on 5 <sup>th</sup> June 2020.
<b>3</b>	Ms. Ch Sowmya of MSc Organic Chemistry I year 2019-21 batch has participated in DRAWING competition under Senior Level and secured FIRST PRIZE on the occasion of World Environment Week Celebrations from 5 <sup>th</sup> to 12 <sup>th</sup> June 2020 as “ENVIRONMENT EXCELLENCE CHAMPION” jointly organized by O.Y.S.T.E.R. & BE THE CHANGE.
<b>4</b>	Ms. Ch Sowmya of MSc Organic Chemistry I year 2019-21 batch has participated in One Week Online International Skill Development Program on “Innovation in Natural Product Driven Drug Discovery and Analytical Chemistry” organized by Department of Pharmacognosy & Pharmaceutical Analysis, Shri Vishnu College of Pharmacy, Bhimavaram in Association with Association of Pharmaceutical Teachers of India, Association of Pharmacy Professionals, Society of Pharmacognosy and Mybo group from 6 <sup>th</sup> to 11 <sup>th</sup> July 2020.
<b>5</b>	Ms. Akshata Ms. Priya Sharma & Ms. Sushmitha of 2020-22 batch, MSc II yr have won first prize in the National Science Day quiz competitions held at the Dept. of Physics on 25 <sup>th</sup> Feb'22.
<b>6</b>	Mr K Venkatesh, Ms Snehitha Reddy & Mr Vamshidhar won I prize in Chem quiz, Mr Hanumanth, Mr Naveen (MSc I yr) & Ms Divya won II prize in Chem quiz; Ms Akshata & Ms Priya Sharma won I prize and consolation prize in Just a minute event; Mr Sainath & Mr M Sandeep and Mr Fazil won II Prize and consolation prize respectively in e-Poster competitions of the CHEMFEST organized as a part of national science day celebrations held on March 5 <sup>th</sup> 2022 at the Dept. of Chemistry, UCS, OU
<b>7</b>	Ms Akshata, Ms Hafsa Jabeen, Ms Divya, Ms Navyasree of MSc II yr got selected for the final rounds of Tutoroot Placements recently in April 2022.
<b>1</b>	Ms. Mamatha sri & Ms Mounica from M. Sc Final year Physical chemistry and Inorganic chemistry specializations respectively won the first prize in the Quiz competition of “National Science Day Celebrations – CHETNA-2K20” conducted by RBVRR Women’s College, Narayanaguda on 25 <sup>th</sup> February 2020
<b>2</b>	Mr Rajkumar & Mr Harish of MSc Chemistry I year bagged second prize in the Quiz competition of “National Science Day Celebrations – CHETNA-2K20” conducted by RBVRR Women’s College, Narayanaguda on 25 <sup>th</sup> February 2020
<b>3</b>	Ms. Harshath Bhanu and Ms. Vinitha of MSc I year won first prize in the e-poster competition of “National Science Day Celebrations – CHETNA-2K20” conducted by RBVRR Women’s College, Narayanaguda on 25 <sup>th</sup> February 2020
<b>4</b>	Ms. G Sirisha of MSc I year won second prize in the Rangoli competition conducted by ABVP on the 28 <sup>th</sup> of February 2020 in Osmania University.
<b>5</b>	Mr Saibabu of M.Sc Final year Organic Chemistry specialization won first prize in Chess competition held at University College of Science, OU in February 2020.
<b>6</b>	The team of MSc I year and final year students of Dept. of Chemistry won first prize in the Kabbadi competition held at University College of Science, OU in February 2020.
<b>7</b>	Ms. Ch Sowmya, Ms. S Oohashree and Ms. N. Sai Namratha of MSc Organic Chemistry I year 2019-21 batch were selected for CSIR Summer Research Training Programme and had completed the online programme from June to August 2020.
<b>8</b>	Ms Ch Sowmya of MSc Organic Chemistry I year 2019-21 batch has participated in Inter – Collegiate E.Competition on “World Environment Day” organized by A.V. College held on 5 <sup>th</sup> June 2020.

9	Ms. Ch Sowmya of MSc Organic Chemistry I year 2019-21 batch has participated in DRAWING competition under Senior Level and secured FIRST PRIZE on the occasion of World Environment Week Celebrations from 5 <sup>th</sup> to 12 <sup>th</sup> June 2020 as “ENVIRONMENT EXCELLENCE CHAMPION” jointly organized by O.Y.S.T.E.R. & BE THE CHANGE.
10	Ms. Ch Sowmya of MSc Organic Chemistry I year 2019-21 batch has participated in One Week Online International Skill Development Program on “Innovation in Natural Product Driven Drug Discovery and Analytical Chemistry” organized by Department of Pharmacognosy & Pharmaceutical Analysis, Shri Vishnu College of Pharmacy, Bhimavaram in Association with Association of Pharmaceutical Teachers of India, Association of Pharmacy Professionals, Society of Pharmacognosy and Mybo group from 6 <sup>th</sup> to 11 <sup>th</sup> July 2020.
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12	Mr K Venkatesh, Ms Snehitha Reddy & Mr Vamshidhar won I prize in Chem quiz, Mr Hanumanth, Mr Naveen (MSc I yr) & Ms Divya won II prize in Chem quiz; Ms Akshata & Ms Priya Sharma won I prize and consolation prize in Just a minute event; Mr Sainath & Mr M Sandeep and Mr Fazil won II Prize and consolation prize respectively in e-Poster competitions of the CHEMFEST organized as a part of national science day celebrations held on March 5 <sup>th</sup> 2022 at the Dept. of Chemistry, UCS, OU
13	Ms Akshata, Ms Hafsa Jabeen, Ms Divya, Ms Navyasree of MSc II yr got selected for the final rounds of Tutoroot Placements recently in April 2022.
14	Mr Tahirali Choudhary of MSc II yr was selected Summer Fellowship 2022 at IIT Bombay, FOSSEE SOUL
15	Mr. Sai Krishna of MSc I yr was selected to represent Chemistry Department in the delegation of students who visited Japan along with the Vice-Chancellor, OU in Sakura Science Exchange Program between Osmania University and Shibaura Institute of Technology in February 2023.
16	Mr. Venkata Nagendra of MSc I yr won IIInd prize in the poster presentation competition conducted by Dept. of Botany in view of National Science Day 2023.
17	Ms Harika and Ms Gayatri of MSc IIyr won the second prize in Practicals Competitions on chemistry experiments conducted by RSC & Dept. of Chemistry, TMV, Koti, Hyderabad on 29 <sup>th</sup> June 2023.
18	Mr Venkata Nagendra and Mr Vicky of MSc I yr won the first prize in the “Top of the Bench”competition on chemistry experiments conducted by RSC &Dept. of Chemistry, TMV, Koti, Hyderabad on 29 <sup>th</sup> June 2023.
19	Ms Sharanya and Ms Sudeshna of MSc I yr won the second prize in the “Top of the Bench”competition on chemistry experiments conducted by RSC &Dept. of Chemistry, TMV, Koti, Hyderabad on 29 <sup>th</sup> June 2023.
20	Mr Venkata Nagendra and Mr Naresh of MSc I yr won first prize in quiz competition conducted during Telangana Dashabdi Utsavalu by University College of Science, OU on 16 <sup>th</sup> June 2023
21	Mr Venkata Nagendra and Mr Naresh of MSc I yr received Special appreciation certificate for Ozone day celebrations poster presentation competition conducted by Govt. Degree and PG College for Women, Begumpet on 16 <sup>th</sup> September 2023

## Placements

Students in general are placed every year with  
10-15% - Industries such as Heterodrugs, Mylan, MSN labs, Suven life sciences, GVK Bio, Dr Reddys, Syngene laboratories etc  
20-30% - Educational Institutions as Lecturers including placements from Akash institutions, FIIT-JEE etc.,  
40% - pursue Research

## Placements



## STUDENTS ACHIEVEMENTS (2018-23)

### Gold Medals from the Department of Chemistry, OU:

**2017-18:**

**Mr. Sri Vishnu of M.Sc Inorganic Chemistry of 2016-18 batch received the following Gold Medals:**

1. Prof.M.M.Taqui Khan and Prof.Badar Taqui Khan Gold Medal - M.Sc. (Inorganic Chemistry)
2. Dr. Pramod and Mrs. Anuradha Arora Gold Medal – M.Sc. (In Org. Chemistry)
3. Prof. L. Nalanda Sharada and Sri Ch. J. Varaprasad Gold Medal - M.Sc. (Inorganic Chemistry)

**2018-19:**

**Mr. S. Sushanth of M.Sc Organic chemistry of 2017-19 batch received the following Gold Medals:**

1. Prof.Kasireddy Kondal Reddy Gold Medal - M.Sc. (Organic Chemistry)
2. Prof.C.V.Ratnam Gold Medal - M.Sc.(Organic Chemistry)
3. Prof. Challa Mythreyamma and Challa Venktarama Sarma Memorial Gold Medal - M.Sc. (Chemistry)
4. Jyothi & Venepalli Bhaskar Rao (1975 M.Sc.) Gold Medal - M.Sc. (Org. Chemistry)
5. Dr. Pramod and Mrs. Anuradha Arora Gold Medal – M.Sc. (Org. Chemistry)

**Students who qualified TSET examination in 2019: *From 2017-19 batch:***

1	2	3	4	5	6
Ms.Syeda Ameena	Mr.Suresh	Mr.S.Sushanth	Mr. Sridhar	Mr. R. Akhil	Mr. Mahesh

**Students who qualified CSIR-UGC-NET examination**

<i>2017-19 batch</i>		2018-20
1. Mr. Sridhar	2. Mr. Sushanth	3. Mr. R. Akhil qualified only NET

**Students who qualified TSET examination in 2023:**

<i>2018-20 batch</i>	<i>2019-21 batch</i>	<i>2020-22 batch:</i>	<i>From 2021-23 batch:</i>
1. Mr. Sudheer	1. Ms. B. Raveli	1. Ms. Meghana Rani	1.Ms. Shiroli Dabbikar
2. Ms. Sandhya	2. Ms. A. Sahaja	2. Ms. Hafsa Jabeen	2.Mr. B. Ajay
	3. Ms. A. Sameera	3. Mr. L. Sai Kumar	3.Mr. G. Sai Kumar
	4. Ms. Bindu Bharati	4. Ms. A. Shruti	4. Mr.Ch. Naveen
	5. Mr.A.Laxman Babu		5.Mr. G. Nandini Reddy
	6. Ms. G. Shirisha		6.Mr. Jalandhar

**Students who qualified GATE 2022 examination:**

<i>2018-20 batch</i>	<i>2019-21 batch</i>	<i>2020-22 batch</i>	<i>2021-23 batch</i>
1. Mr. R. Akhil	1.Ms. Swetha	1. Ms. A. Shruti	1. Ms. Prasuna
2. Ms. Sahithi	2.Mr. A. Ramesh	2. Mr. L. Sai Kumar	2.Mr. B. Ajay
3. Mr. Sudheer	3.Mr.A. Laxman Babu		3.Mr. Jalandhar
4. Ms. Malleshwari	4. Ms. G. Shirisha		

**Students' placements/pursuing higher education (PhD)/research**

**2017-19 batch students:**

- ❖ **Ms Bhagyashree** is placed with Aakash Institutions as a chemistry lecturer to teach In students.
- ❖ **Mr. D Srikanth** is placed with Dr Reddy's Laboratories
- ❖ **Mr Salauddin** and Mr G Akhil are placed with GVK Laboratories
- ❖ **Ms Sanghavi, Ms Ramya and Ms. Alekya** are working as lecturers in KVRR Degree College
- ❖ **Ms. Kalpana** is working at Hindi Mahavidyalaya as a chemistry lecturer
- ❖ **Ms Sandhya Rani** is working as a lecturer in Chaitanya Junior College, Ghanpur

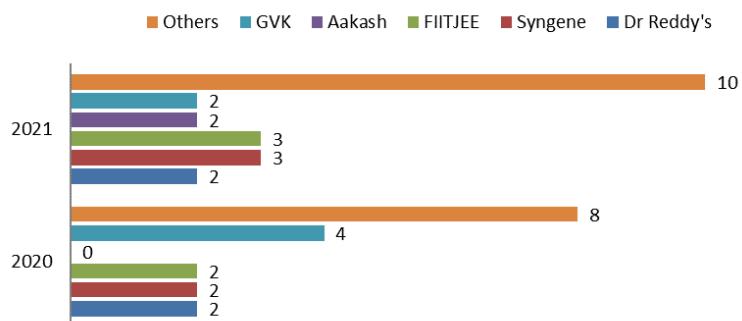
### **Placements (2019-2020)**

1	Mr R Akhil of MSc Final year Organic Chemistry has been selected in FIIT-JEE OU campus placements.		
2	Ms. A Sathya, Ms. A Uma Maheshwari, Ms. A Keerthana, Mr. B. Rakesh, Mr. T. Anil Kumar, Mr. Mustaid Ahmed and Mr. E. Vijay Ku Chemistry have been selected in GVK-Biosciences at the placements held in University College of Science, Saifabad.		
3	Mr. B.Rakesh and Ms. J. Rishitha have been selected in Chegg India Placements of OU.		

<b>Name of the Student</b>	<b>Academic Institutions</b>		<b>Industry</b>	<b>Research Institute</b>	<b>PhD</b>
	<b>Govt.</b>	<b>Private</b>			
<b>2019-21 Batch</b>					
1. Ch Sowmya				The Hebrew University of Jerusalem, Israel	
2. Md. Samiruddin	Asst. Professor, Nawab Shah Alam College of Engg. & Tech., Hyd.				
3. Sonam Dhangne		Lecturer, St. Ann's College for Women, Mehdipatnam, Hyderabad			
4. Rajkumar		Asst. Lecturer, Aakash Institutions			
5. Sai Namratha				Project-Asst., CSIR-IICT	
6. Swetha				Project-JRF, IIT-Hyd	
7. Raval				Project-Asst., CMET, Hyderabad	
8. G. Venkatesh					
9. Y. Madhuri			Syngene Labs, Hyd		
10. Ch. Anusha			Analyst, Hetero Labs, Hyd		
11. K. Vinitha			Asst. Lecturer,Aakash Institutions		
12. Urmila			Lecturer & NCC officer Keshav Memorial College, Hyderabad		

Name of the Student	Academic Institutions		Industry	Research Institute	PhD
	Govt.	Private			
<b>2020-22 Batch</b>					
1. Akshata Choudhary		Chemistry Faculty at Physicswalla			
2. Krishna Kumar		Chemistry Tutor, Aakash Institute, Shivamoga, Karnataka .			
3. Shalini Datla		Chemistry Tutor, Aakash Institute, Dilshuknagar, Hyd.			
4. Tahirali			R & D Executive, Waruksha Labs Pvt. Ltd., Ahmedabad, Gujarat		
5. Shravani		Lecturer, KV Rangareddy Degree College for Women, Hyd			
6. M. Sandeep				Project-JRF, IIT-Hyd	
7. MK Fazil		Chemistry Faculty, National Integrity and Educational Development Organization, LEH Branch,LEH			
8. Hafsa Jabeen		Lecturer, Gowthami Degree College, Adilabad			
9. Ramya	Contract Lecturer, TSW PG Residential College for Women, Chaitanyapuri, Hyd.				
10. Pavan	Lecturer, New Science College, Narayananaguda, Hyd.				
11. Shaheena	Narayana e-Techno School, Nanded				
12. G. Sainath	Byjus, Hyderabad				
13. Sachin	Byjus, Hyderabad				
14. Shivani		Hetero Drugs, Khazipally Unit			
15. Snehitha Reddy		Hetero Drugs, Khazipally Unit			

## Placements



### Placements of 2021-23 batch students:

Name (organic)	company hired 1	company hired 2	company hired 3
A. Mallesh	syngene international		
M. Bhavana	syngene international		
T. Ramya	syngene international		
Shiroli Dabbikar	syngene international	Akash Byjus	Tutoroot
K. Usha Sri	syngene international	Akash Byjus	
S. Nikitha	syngene international		
G. Sreenivas	syngene international		
A. Chiranjeevi	syngene international		
T. Rasi	syngene international		
N. Harika	syngene international		
G. Nandini	syngene international		
K. Athma Charan Reddy	syngene international	Akash Byjus	
S. Harish	syngene international		
K. Ramadevi	syngene international		
B. Rupali	syngene international		
Arati Poul	Tutoroot		
Name (Inorganic)	company hired 1		
E. Reshma	Akash Byjus		
K.G. Gayatri	Next Education (internship)		
Name (physical)	company hired 1		
S.L. Harika	Tutoroot		
Y. Sravani Reddy	Akash Byjus		
Prasanna	Akash Byjus		

## **Extracurricular Activities & Achievements of Students**

1. Ms. Gayatri from M.Sc Inorganic Chemistry 2023 passed out batch of Dept. of Chemistry, OU has been selected and joined as a project associate to work in the project headed by Dr. Sudipta Roy, IISER, Thirupathi in March 2024.
  2. Mr. Vamshikrishna Goud of M.Sc Physical Chemistry 2022 passed out batch of Dept. of Chemistry, OU has been selected and joined as a Project Associate to work under the supervision of Dr. Vairavel, Dept. of Chem. Engg., MIT, Manipal, Karnataka in January 2024.
  3. 12 Research scholars of the faculty of Dept. of Chemistry, OU have been selected for the Gurukula JL/DL/PGT posts in February 2024.

## Proud Alumni

Bureaucrats/Politicians	Entrepreneurs/Edupreneurs	Scientists/Academicians
 Sri Kadiyam Srihari, Former Minister of Telangana Govt.  Dr Vairalingam, Retd. IAS  Dr K V Ramachary, Retd. IAS  Sri S Narasing Rao, IAS  Sri L Shashidhar Retd. IAS  Sri Thudi Venudhar Reddy, Retd. IFS  Sri B. Ramaiah, IAS (Rtd)  Mr.BhaskarReddyAvula, Retd. IRS officer  Mr. Praveen Rao, Retd. IFS  Dr. K. Ram Mohan Reddy, Former member, TSPSC	 Dr. Bandi Parthasaradhi Reddy, CEO, Hetero Drugs  Dr. M.S.N. Reddy, CEO, MSN Labs  Dr Bhaskar Venepalli, Ph.D., MBA, FRSC, CEO, CiVentiChem, NC, USA  Dr. Vidiyala Sudhakar, Ascent Pharmaceuticals, NY, USA  Dr. Ravinder Sudini, Sr. Consultant, Sudini Pharmaceuticals  Dr Gurram Kishan, CEO, Sravanthi Labs  Dr K Bal Reddy, NRI Enterpreneur, Dupont, USA  Dr Jagath Reddy, CEO, Jagath Reddy Labs  Dr. Paidi Yella Reddy, Saphala Organics Ltd.  Dr G Nagaiah, Director, Sidhartha Institutions  Dr Nagaraju Chakilam, CEO, Maithri Labs  Dr Mahender B Dewal, Biotech Entrepreneur, Expansion Technologies Inc., Massachusetts, USA	 Prof. T. Navaneetha Rao, Former VC, OU  Prof. M.M. Taqui Khan, Former Director, CSIR-CSMCRI, Bhavnagar  Prof. Kasi Ram, Former VC, Telangana University  Prof. S. Anantha Swamy, Former VC, OU  Prof. P. Jaya Prakash Rao, Former Chairman, APSCHE  Prof. K. Veera Reddy, Former VC, Sathavahana University  Prof. S. Sathyanarayana, Former VC, OU  Prof. Battu Satyanarayana, VC, Central University of Karnataka  Dr Ch. Mohan Rao, Former Director, CSIR-CCMB  Dr. Krishnam Raju, Scientist Specialist, Saudi ARAMCO  Dr S Chandrasekhar, Former Secretary, DST-India  Prof. Challa Vijaya Kumar, Univ. of Connecticut, USA  Vadapalli Chandrasekhar, Former Director, TIFR-H  Dr G Narahari Sastry, Director, CSIR-NEIST  Dr. D. Srinivasa Reddy, Director, CSIR-IICT  Prof. A. Ravindranath, VC, Central University of Kashmir

## **Alumni Activities (2020-2022)**

2020-22 saw a surge of Alumni activity at the department of chemistry both online and offline. A huge contribution from Mega Donors was witnessed during 2021-22 for the development of infrastructure and academic activities in the department. Prior to this the founders of Hetero Labs and MSN Labs have renovated the MSc previous and final year labs to show their gratitude to their Alma mater. Further this year they came forward as Mega donors in contributing greatly to the department along with other donors.

### **Other Donors:**

**Prof K. Kondal Reddy - Rs.1 Lakh; Prof. Anand Rao - Rs.1 Lakh; Sri A. Bhaskar Reddy - Rs.3 Lakhs; Smt. Parvathy Sastry - Rs. 1 Lakh; Prof. Sarala Devi - Rs.1 Lakh; Prof. Umesh Kumar, HOD and 12 members offaculty & BSR faculty members - Rs.1.80 Lakhs; Dr Vijayasena Reddy, Rs. 42,000 for LED Board of the dept.**

2	<b>Entrepreneur Series of Step-UP Mentoring Program</b> Interactive Sessions by Alumni who have established themselves as successful Entrepreneurs to motivate the research scholars and students to take up Entrepreneurship as a career were organized online in continuation to the earlier Step-UP mentoring program during October - November. By <b>Dr Mahender B Dewal, Dr Bhaskar Rao Venepalli, Dr Jagath Reddy, Dr Paidi Yella Reddy</b>
3	<b>Interactive Session by Dr Prasanna Reddy</b> , Alumnus of the Dept. of Chemistry, OU Associate Director, Global Regulatory Affairs, CMC group, Merck, USA with MSc students, Research Scholars & Faculty Members of Dept. of Chemistry, UCS, OU was arranged on 14 <sup>th</sup> October 2021 on her visit to India.
4	Distinguished Guest Lecture by <b>Prof. Saptarshi Majumdar</b> , On “ <b>Hovering Around Polymers: A Journey in Multi-Scale Engineering</b> ” Department of Chemical Engineering, IIT, Hyderabad was organized for MSc students, Research Scholars and Faculty members on <b>20<sup>th</sup> November 2021</b> at 10:30 a.m organized jointly by OUCF & the Dept. of Chemistry, OU
5	Online Felicitation to <b>Dr Srivari Chandrasekhar, Secretary, DST-India</b> by OUCF & Department of Chemistry, OU online on <b>8<sup>th</sup> January 2022</b> for taking charge as Secretary, DST-India. Many Guests have participated and expressed their views and appreciation in this regard. The felicitation meet was presided and conducted by Dr Bhaskar Rao Venepalli, President, Civentichem, USA & Founder member of OUCF. The Guests who spoke were 1. Padmabhushan Dr A V Rama Rao, former director, CSIR-IICT and Chairman, AVRA Labs 2. Prof D Ravinder, VC, Osmania University

	<p>3. Prof B S Murthy, Director, IIT, Hyderabad      4. Prof B J Rao, VC, UOH      5. Prof Ravinder Gupta, VC, Telangana University      6. Dr. J S Yadav, Former Director, CSIR-IICT      7. Prof Challa Vijaykumar, Connecticut University, USA      8. Dr Ch Mohan Rao, Former Director, CSIR-CCMB      9. Dr R B N Prasad, Retd. Chief Scientist, CSIR-IICT      10. Sri A Bhaskar Rao, Retd. IRS &amp; General Secretary, OUCF      11. Prof A Jayasree, Head, Dept. of Chemistry, JNTU-H      12. Prof U Umesh Kumar, Head, Dept. of Chemistry, Osmania University      13. Vote of Thanks by Dr Ravi Prakash Mayreddy, OUCF</p> <p>Dr S Chandrasekhar expressed his gratitude towards Dept. of Chemistry, OU and OUCF for the felicitation. He reviewed his journey as a student of Osmania University, as a scientist and former director of CSIR-IICT, his association to the various speakers and his vision and goals as the Secretary, DST-India.</p>
6	<p><b>LAUNCHING OF INFRASTRUCTURE DEVELOPMENT PROJECT</b>  &amp; Felicitation to the Alumni Mega donors of the Dept. of Chemistry, OU Organized by Department of Chemistry, University College of Science, Osmania University &amp; Osmania University Chemistry Foundation (OUCF) <b>On 19<sup>th</sup> FEBRAURY 2022</b></p> <p>The program comprised of</p> <ul style="list-style-type: none"> <li>▪ <b>Video message by Dr Bhaskar Rao Venepalli,</b> President &amp; CEO, Civentichem, North Carolina, USA</li> <li>▪ <b>Addressing by the Guest: Dr B Parthasarathi Reddy,</b> Chairman, Hetero Group of Companies &amp; Alumnus of the department of Chemistry, OU</li> <li>▪ <b>Addressing by the Guest: Dr Sudhakar Vidiyala,</b> CEO &amp; President, Ascent Pharmaceuticals, Newyork, USA &amp; Alumnus of the Department of Chemistry, OU</li> <li>▪ <b>Dr B Parthasarathi Reddy, Dr Venepalli Bhaskar Rao and Dr Sudhakar Vidiyala</b> have announced <b>1 crore, 100k dollars and 100 k dollars respectively</b> through OUCF for the various restoration and other activities of the department.</li> <li>▪ Dr B Parthasarathi Reddy announced Best Professor Award to be given every year by OUCF and promised to support many other activities for the development of the department.</li> </ul> <p>The programme was attended by Prof D Ravinder, Vice-Chancellor, OU, Prof Lakshminarayana, Registrar, OU, Sri A Bhaskar Reddy, Retd.IRS and General Secretary, OUCF, Smt. Parvathi Sastry, Treasurer, OUCF and many retired teachers and Alumni of the department.</p>
7	<p>Interaction &amp; Felicitation to Dr MSN Reddy, Founder, Chairman &amp; Managing Director, MSN Labs, a Mega donor of the Dept. of Chemistry, OU was Organized by Department of Chemistry &amp; Osmania University Chemistry Foundation (OUCF) <b>On 11<sup>th</sup> April 2022.</b></p> <p><b>Dr MSN Reddy</b> donated <b>1.05 crores</b> to OUCF for the infrastructure development and supporting academic activities of the Dept. of Chemistry, OU. He interacted with the students, scholars and faculty members and promised to encourage the students for securing internships, field visit to MSN labs and placements.</p>
8	Interaction session with Dr Ravinder Sudini on 28 <sup>th</sup> Oct, 2022
9	Guest Lecture on Synthetic methodologies to drug discovery to treat Epilepsy and Alzheimer's disease and Interactive session by Dr Ganesh Thota From Emory University, Atlanta, USA on 29th NOV, 2022

**Visit and Interaction**  
**by Dr Bhaskar Rao Venepalli, President & CEO, Civentichem,**  
**NY, USA**



**Visit by  
Dr Ravi Prakash Mayreddy**



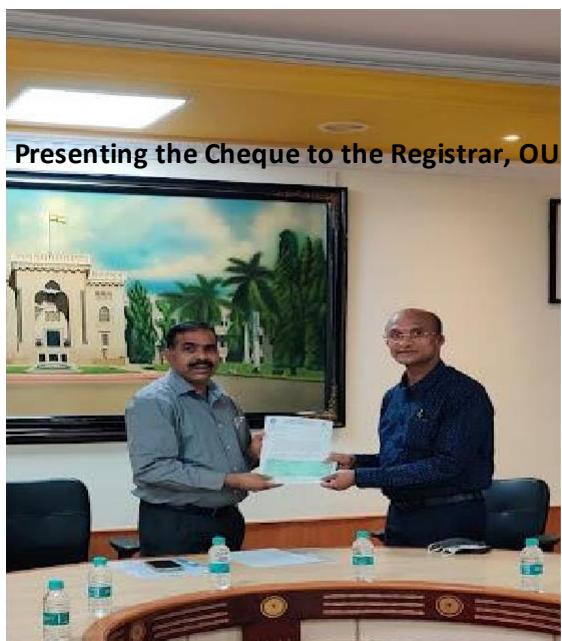
**Meeting of Faculty &  
OUCF Members with VC**



**Lecture by  
Prof Saptarshi Majumdar,  
IIT, Hyderabad**



**Presenting the Cheque to the Registrar, OU**



**Interaction with Dr Prasanna Reddy**

**Constitution of Gold Medal by  
Dr Thallada Bhaskar**



**Launching of Infrastructure Development Project on 19<sup>th</sup> Feb, 2022**



**OU TAKSH 2022-ALUMNI DAY on 25<sup>th</sup> MARCH 2022**



**Felicitation to Dr MSN REDDY on 11<sup>th</sup> April 2022**

**OU CHEMISTRY FOUNDATION**  
**Osmania University Chemistry Foundation (OUCF) presents**  
**BUILD YOUR RESEARCH CAREER SERIES**

**Ph.D. & Postdoc Opportunities in Abroad**

**An Interaction with Ravinder Sudini, Ph.D.**

Senior Pharmaceutical Consultant (CMC & API Synthesis) at Sudini Pharma Consultant, LLC & Former Scientist GSK & PDF @Harvard & Japan

**Saturday, October 29th at 11:30 AM**  
**Committee Room, Chemistry Dept.**

**Prof. Umesh Kumar Ph.D.**  
**Head, Department Of Chemistry**  
**Osmania University**



**OU CHEMISTRY FOUNDATION**  
**Department of Chemistry & OUCF presents**  
**BUILD YOUR RESEARCH CAREER SERIES**

**Synthetic methodologies to drug discovery to treat Epilepsy and Alzheimer's disease**

**Dr. Ganesh Thota, Ph.D.**

Emory University, USA  
<https://med.emory.edu/departments/pharmacology-chemical-biology/news/2020/ganesh-hidden-gem-2020.html>

**Tuesday, November 29th at 2 PM**

**Prof. Umesh Ph.D.**  
**HOD, Department of Chemistry**



**Guest Lecture on Synthetic methodologies to drug discovery to treat Epilepsy and Alzheimer's disease and Interactive session by Dr Ganesh Thota on 29th NOV, 2022**

## Outreach Activities

### **SWACCH BHARATH ABHIYAN**

**8<sup>th</sup> SEPTEMBER 2018**



**DEPARTMENT OF CHEMISTRY  
UNIVERSITY COLLEGE OF SCIENCE  
OSMANIA UNIVERSITY**

#### **PROGRAMME SCHEDULE**

##### **Inauguration**

10:00 am	Welcome the dignitaries on to the Dias by Ms Soujanya
10:00 am-10:05 am	Lighting of the lamp by the dignitaries Followed by Prayer Song by Ms. Raval
10:05 am-10:10 am	About Swach Bharat Abhiyan by Prof ChSaraladevi, Head, Dept. of Chemistry, OU
10:10 am-11:10 am	Introduction of Guest Speaker by Ms.Sathy Guest Lecture on "Environmental Concerns and Sustainable Development: Issues & Challenges" by Dr SrinivasSurisetty, Associate Professor, TISS, Hyderabad
11:10 am-11:20 am	Addressing by Sri R Chandru, Coordinator, NSS, OU
11:20 am-11:30 am	Message by Prof Shivaraj, Principal, UCS, OU
11:30 am-11:40 am	Vote of Thanks by Mr Shiva Shankar Reddy TEA BREAK
11:40 am-12:30 pm	Swach Bharat Abhiyan Cleaning Programme: Removing Plastics and Cleaning up the lawns around the Department Building
12:30 pm-1:30 pm	Cleaning the Webcobs& Dusting in the Corridors
1:30 pm-2:30 pm	LUNCH BREAK
2:30 pm-4:00 pm	Cleaning the MSc Class rooms
4:00 pm-5:00 pm	Cleaning the Entrance Hall &Staircase
5:00 pm-5:30 pm	Valedictory Session addressed by Prof ChSaraladevi, Head, Dept. of Chemistry, OU Feed back by & Vote of Thanks by MSc Students
5:30 pm	TEA



### **"Faculty Development Programme in Chemistry for UG Teachers: A Re-orientation to the Restructured**

#### **CBCS Curriculum"**

**13<sup>th</sup> -18<sup>th</sup>, December 2018**

#### **REPORT**



**Organized by  
Department of Chemistry, OU @ Lecture Hall-I  
Under the guidance of UGC-HRDC  
(Academic Staff College) OU**

**NATIONAL SCIENCE DAY CELEBRATIONS**  
Organized under UGC-UPE-FAR Programme, OU

"National Science Day" is commemorated in the honor of Sir C.V. Raman for his legacy, who discovered Raman effect on 28th Feb., 1928.

On 26<sup>th</sup> February 2019  
At Dept. of Chemistry, OU

LECTURE BY AN EMINENT SCIENTIST

Who can participate?  
All undergraduate students with prior registration.

Venue: Lecture Hall-1  
Dept. of Chemistry, OU

Coordinator: Prof D Ashok  
Director, RDCC, OU

E-Poster (3 per team)  
8501052526  
7036456127

Science JAM  
9553979145  
9848719916

Science Quiz (3 per team)  
9051088715  
7093277087

NOTE:  
ID CARD IS COMPULSORY  
FOR REGISTRATION CONTACT ON THE NUMBERS MENTIONED

Lecture by Dr G V Ramanjaneyulu Centre for Sustainable Agriculture, Tarnaka, Hyderabad

Events conducted: Quiz Events conducted: Quiz



# OUCF - Step UP Mentoring Program

Mentoring is a process to support and encourage people to identify goals and develop their skills through a series of confidential one-on-one conversations. A mentor will share their wisdom and experiences to maximize mentee's ability to improve and perform to become the person they want to be.

Over the years OU Department of Chemistry faculty educated and prepared thousands of students to become scholars, professionals and entrepreneurs. As a token of appreciation and also serve the Chemistry community, Department of Chemistry Alumni initiated a mentoring program to help students in their career path. Step-Up mentoring program is an initiative lead by the OU Department of Chemistry Alumni in collaboration with the Department of Chemistry faculty members. The aim of this program is to provide support and guide research scholars and students to achieve their career aspirations and professional goals. This initiative is supported by the Head of The Chemistry Department.

The cards are as follows:

- Saturday June 19, 5PM IST**  
Partners: Dr. K. Aravind Babu (OU Alumnus), Dr. S. Venkateswaran (OU Chemistry Faculty)
- Saturday June 26, 5PM IST**  
Partners: Dr. Maheshwari Singh Ph.D (OU Alumnus), Dr. S. Venkateswaran (OU Chemistry Faculty)
- Saturday June 26, 5PM IST**  
Partners: Dr. Debadatta Bhattacharya (OU Alumnus), Dr. S. Venkateswaran (OU Chemistry Faculty)
- Saturday July 3, 2021 @ 5PM IST**  
Partners: Dr. Debadatta Bhattacharya (OU Alumnus), Dr. S. Venkateswaran (OU Chemistry Faculty)
- Saturday July 10th, 5PM IST**  
Partners: Dr. Pramila Reddy Ph.D (OU Alumnus), Dr. S. Venkateswaran (OU Chemistry Faculty)
- Saturday July 17th, 2021, 5PM IST**  
Partners: Dr. Surya Prakash Ram Ph.D (OU Alumnus), Dr. S. Venkateswaran (OU Chemistry Faculty)
- Saturday July 24, 5PM IST**  
Partners: Dr. N. Suresh (OU Alumnus), Dr. S. Venkateswaran (OU Chemistry Faculty)
- Saturday September 11, 5PM IST**  
Partners: Dr. K. Aravind Babu (OU Alumnus), Dr. S. Venkateswaran (OU Chemistry Faculty)
- Saturday September 18, 5PM IST**  
Partners: Dr. Ravaneesha Duggalapudi (OU Alumnus), Dr. S. Venkateswaran (OU Chemistry Faculty)
- Saturday Sept 25, 5PM IST**  
Partners: Dr. Thodeeja Varghese (OU Alumnus), Dr. S. Venkateswaran (OU Chemistry Faculty)
- Saturday Sept 25, 5PM IST**  
Partners: Dr. Debadatta Bhattacharya (OU Alumnus), Dr. S. Venkateswaran (OU Chemistry Faculty)
- Saturday Oct 2, 5PM IST**  
Partners: Dr. Chaitanya Vajrappa (OU Alumnus), Dr. S. Venkateswaran (OU Chemistry Faculty)

1	<p>Online Lecture-Interactive Session for Students on “<b>Dealing with the Challenges of the Pandemic: A Psychosocial Perspective</b>” 14<sup>th</sup> August 2021 @ 11 a.m., by <b>Dr G Padmaja</b>, Associate Professor &amp; Head, Centre for Health Psychology, School of Medical Sciences and Deputy Dean, Student Welfare, University of Hyderabad organized by Dept. of Chemistry, UCS, OU for M.Sc I year and II year students.</p>
2	<p><b>Special Training Program for SC/ST students of the Dept. of Chemistry Offered by CMET, Hyderabad.</b></p> <p>12 students from 2019-21 batch under the category of SC/ST were selected and offered online theory classes in month of July and practical training at CMET with various instruments operations was given during the month of September.</p> <p>A certificate of training was provided to students who attended at the end of the program.</p> <p><b>Title of the Program:</b></p> <p><b>“Skill development training program for Schedule Caste &amp; Schedule tribe students on E-waste dismantling/segregation technologies and testing of Restriction of Hazardous substance (RoHS)”</b></p>
3	<p>CHEMFEST 2022: National Science Day Celebrations</p> <p><b>Theme: Integrated Science and Sustainability reflects India’s future course</b></p> <p>Convened by Prof U Umesh Kumar, Head, Dept. of Chemistry, OU and Organized by the MSc students of the department in association with Indian Science Congress Association (ISCA) Hyderabad Chapter.</p> <p>On <b>5<sup>th</sup> March 2022</b> at the Dept. of Chemistry, OU</p> <ul style="list-style-type: none"> <li>The Programme is intended to inspire and educate through entertainment and develop scientific feel among the young students.</li> <li>Chem quiz was one of the main events conducted for the registered participants from various PG &amp; Under graduate colleges. The other events conducted were e-Poster and Just-A-Minute (JAM) talk on various topics relating to Chemistry for Sustainable Future allotted to the individual contestants to blend with this year’s National Science Day theme.</li> <li>The inaugural of the programme at 9:30 am was graced by Prof V Chandrasekhar, Director, TIFR, Hyderabad as the Chief Guest and Guest speaker. Prof B Veeraiah, Principal, Univ. College of Science graced the occasion as a guest of honour. Prof U Umesh Kumar, Head, Dept. of Chemistry presided over the function. The faculty of the department had supported the program greatly as the judges of the various events conducted.</li> <li>Prof V Chandrasekhar presented his talk on “Chemistry, the Central Science” where talked about the use of various metal based catalysts in various reactions and how the use of organocatalysts can make the processes sustainable. He also presented the evolution of Li ion based batteries and the research behind in pursuit of finding sustainable energy. The students have interacted with the speaker after the talk and clarified their queries.</li> <li>About 31 teams have participated in Chem Quiz Competition, 18 teams in the e-Poster Competition and 11 members in the JAM Competition. Students from University College for Women, Koti, Nizam College, P G College of Science, Saifabad, St.Pious College, Social Welfare College for Women, Chaitanyapuri, Avanthi College, RBVRR College for Women, Keshav Memorial College, NB Science College have participated along with the students of Dept. of Chemistry, UCS, OU and Forensic Science, OU for the events conducted.</li> <li>The winners from Dept. of Chemistry, OU, OU College for Women, Koti, Hyderabad, Nizam College and PG College of Science, Saifabad received their trophies and winner certificates from the Prof U Umesh Kumar, Head, Dept. of Chemistry, OU and Prof D Ashok, UGC-BSR Faculty Member, Dept. of Chemistry, OU.</li> </ul>

## CHEMFEST on 5<sup>th</sup> MARCH. 2022





## OU TAKSH 2022 -OPEN DAY on 24<sup>th</sup> MARCH, 2022



## OU TAKSH 2022-ALUMNI DAY on 25<sup>th</sup> MARCH 2022



## Felicitation to Dr MSN REDDY on 11<sup>th</sup> April 2022



CTAFCCS 29-30<sup>th</sup> July 2022



**STUTI** – A One Week workshop was organized in collaboration with NIT-Warangal on  
“Characterization of Materials/Compounds by using Advanced Instruments”  
16<sup>th</sup> – 22<sup>nd</sup> July 2022 sponsored by DST-India



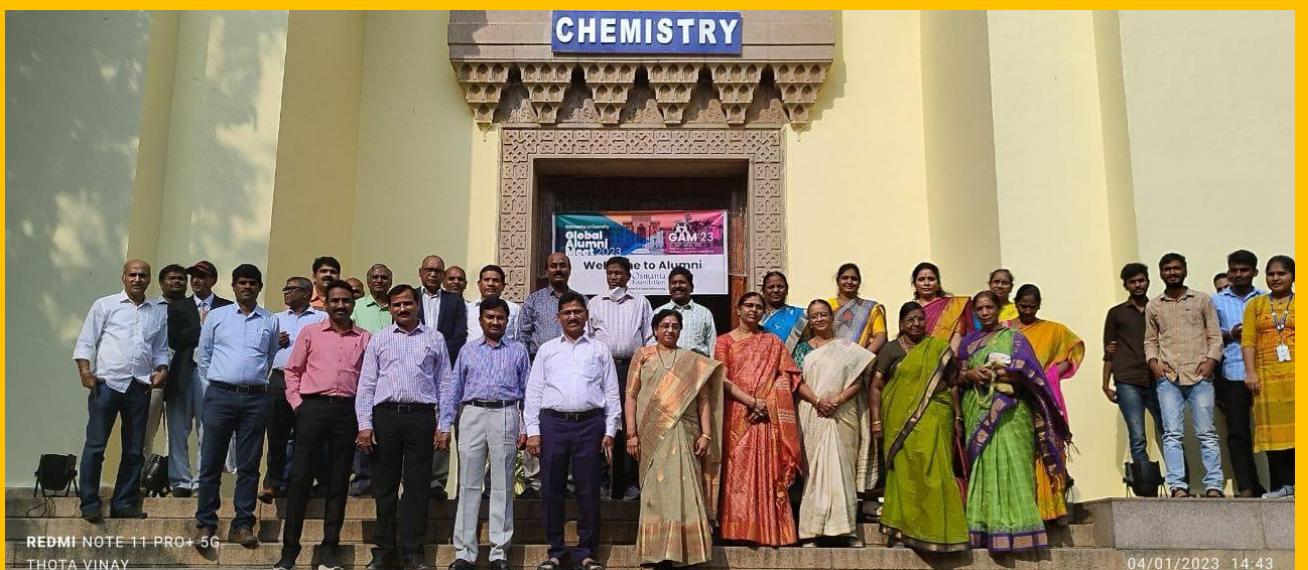
**Venue: Seminar Hall, Osmania University, Hyderabad**





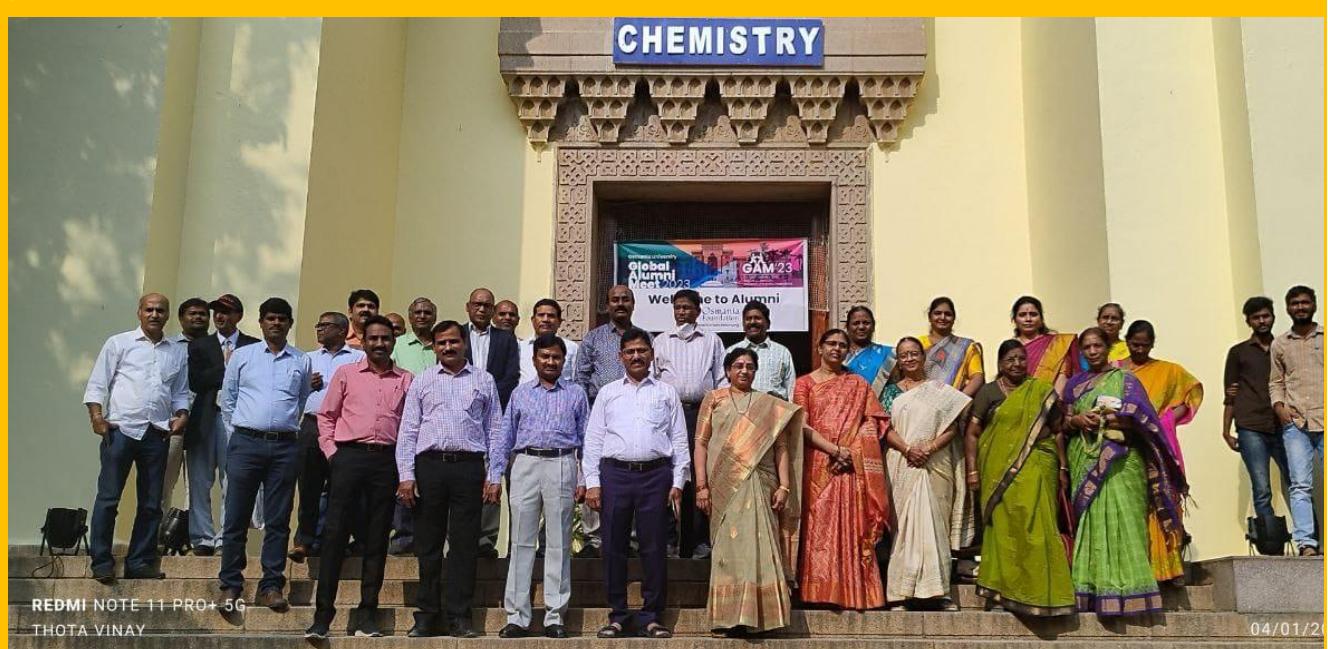
**Samyukth 2022- Interaction Session at CSIR IICT on 1<sup>st</sup> Dec 2022**

## Global Alumni Meet 2023



REDMI NOTE 11 PRO+ 5G  
THOTA VINAY

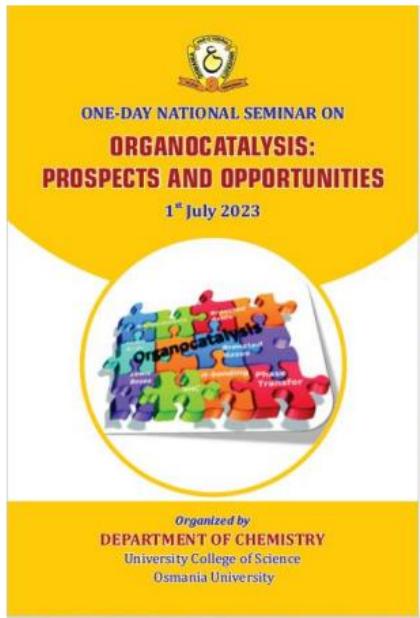
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REDMI NOTE 11 PRO+ 5G  
THOTA VINAY

04/01/2023

11:00 a.m. on 4.Jan, 2023



## Inaugural session



Technical Session



## **Valedictory session**

సమాజంలో సైన్స్ అండ్ టెక్నాలజీసి కీలక పాత్ర



ପ୍ରା. କୁଳାଶୀଗର, ମୀଟିନ ପ୍ରା. ଶେଖର, ଏବଂ ଉତ୍ସବରୁଦ୍ଧ  
ପ୍ରା. ମହାରାଜ, ପ୍ରା. ମାଯି ପାତାର, ପ୍ରା. ଗୋପାଳ, ପ୍ରା. ପଞ୍ଚମ,  
ପ୍ରା. ପାଠ ପଟ୍ଟକ, ପ୍ରା. ଅନନ୍ତରାଜ ପ୍ରା. ପିଲାତାରୀ, ପ୍ରା. କମଳା  
ରାଜେ, ପ୍ରା. ଲକ୍ଷ୍ମୀରୂପ, ପ୍ରା. ପିଲାତାରୀ, ପ୍ରା. ପିଲାତାରୀ,  
ପ୍ରା. ଗୋପାଳ, ପ୍ରା. ରାଜୀ ପ୍ରା. ଲକ୍ଷ୍ମୀରୂପ

**30<sup>th</sup> Oct 2023**

**Guest Lecture by Prof. H S P Rao, Director & Scientific Advisor, Teadus Pharma Pvt. Ltd. Hyderabad & Retd. Prof. In Chemistry, Pondicherry University On "Synthetic Studies On Urothilin on the occasion of superannuation of Prof. P Leelavathi of Dept. of Chemistry, OU for the MSc students Research Scholars and faculty members at**



## **Refresher Course in Chemistry 6<sup>th</sup> -20<sup>th</sup> Dec 2023 Dept of Chemistry, OU & UGC-MMTTC (HRDC),OU**



Inaugural Session



Valedictory Session

The Department of Chemistry at UCS, OU, organized an induction program for first-year M.Sc. Chemistry and Forensic students. On 25<sup>th</sup> Nov 2023 The guest speakers were A. Srinivas Reddy, Motivational Speaker and Director of iCare Academy, and Amiige Ramoji Rao, Mind and Brain Trainer Coach. They highlighted important skills for career success and advised students to plan their careers ahead to achieve success.



10:00 a.m. on 25<sup>th</sup> Nov 2023

**MSc Chemistry I year students of the Dept. of Chemistry, OU participated on 15<sup>th</sup> December 2023 in the National Seminar on “Science and Society 2023” with the theme of Bridging the Gap: Science and Society in the 21<sup>st</sup> Century Organized by IGNA and CSIR-IICT on special invitation from CSIR-IICT.**



**15.12.23**

Inauguration of refurbished computer lab of the Dept. of Chemistry, OU with 20 computers sponsored by Aurobindo Pharma Foundation Members on 22.12.23



22.12.23

**Guest lecture by Dr Tushar Jana** Guest Lecture by Prof. Tushar Jana, Professor, School of Chemistry, University of Hyderabad, was arranged on 30<sup>th</sup> December 2023 on the occasion of superannuation of Prof. U. Umesh Kumar of Dept. of Chemistry, OU.

Title of the Talk: "Polymer Nanomaterials: Design, Synthesis and Applications"



10:00 a.m. on 30<sup>th</sup> December 2023

**Silver Jubilee Alumni Meet of 1996-98 MSc Chemistry batch was organized in association with the Dept. of Chemistry for the felicitating the senior retired teachers who served the department during that period on 6<sup>th</sup> January 2024.**



11:00 a.m. on 6<sup>th</sup> January 2024



ఉన్నానియా యునవరిగట్ కెమిస్ట్ డిపార్ట్మెంట్ విద్యార్థులు నిర్వహించిన క్రికెట్ పోటీలో డిపార్ట్మెంట్ HOD డాక్టర్ మనోహర్ గారు మరియు డిపార్ట్మెంట్ ఫ్యాక్ట్లీ మెంబెర్స్ టూస్ వేసి ఆటను ప్రారంభించారు .వారు మాట్లాడుతూ విద్యార్థులకు చదువుతో పాటు క్రీడలు కూడా మానసిక ఉల్లాసానికి చాలా అవసరం అని అన్నారు .ఈ కార్యక్రమంలో విద్యార్థులు ఉత్సహంగా పాల్గొన్నారు.(15.1.24).



Guest Lecture by Dr. P. K. Jain, Associate Director, ARCI, Hyderabad, was arranged on 30th January 2024, on the occasion of superannuation of Prof. P.V. Anantha Lakshmi of Dept. of Chemistry, OU for the MSc students, Research Scholars and faculty members at 10:00 a.m. Title of the Talk: "Synthesis, Characterization & Applications of Carbon nanomaterials".



30<sup>th</sup> January 2024 at 10:00 a.m.

**16<sup>th</sup> Padmabhushan Prof T R Seshadri (FRS), Memorial Lecture by Prof. G S R Subba Rao, MSc, DSc (Andhra Univ.), Shanti Swarup Bhatnagar Awardee, Retd. Professor and former chair of the department of sciences, IISc, Bangalore on "Natural Products" was organized in association with RSC, Deccan Chapter, India for MSc students, Research Scholars and faculty members of the Dept. of Chemistry, OU on 3<sup>rd</sup> February 2024. It was followed by Book release on "Practical Organic Chemistry-Primer" Written by Prof. V. Peesapati, Chairman, RSC-LSD, India**



**10:00 a.m. on 3<sup>rd</sup> Feb 2024.**

Department of Chemistry in collaboration with Human Capital Development Centre (HCDC), Osmania University facilitated a Campus Recruitment Drive for Aragen Life Sciences on 15th February 2024 at e - Classroom, CFRD Building, OU Campus for M.Sc Chemistry students. Around 30 students attended the recruitment drive. Initially written test was conducted wherein 8 students were shortlisted followed by technical interview.



**9:00 a.m. on 15.2.2024**

Human Capital Development Centre (HCDC), Osmania University in collaboration with Department of Chemistry, UCS, OU has organized a Free Training Program on "Interview Preparation Skills" for Post Graduate Students & Research Scholars of Dept. of Chemistry, University College of Science, OU on July 6, 2024 at Lecture Hall-I , Dept. of Chemistry, UCS, OU.



10:00 a.m. on 6<sup>th</sup> July 2024

## Gold Medals for MSc students

1	Prof. Kasireddy Kondal Reddy Gold Medal	I rank in M.Sc. (Organic Chemistry)
2	Prof. C.V. Ratnam Gold Medal	I rank in M.Sc. (Organic Chemistry)
3	Prof. M.M. Taqui Khan and Badar Taqui Khan Gold Medal	I rank in M.Sc. (Inorganic Chemistry)
4	Bhaskar Reddy Avula Gold Medal	I rank in M.Sc. (Organic Chemistry)
5	Jyothi and Venepalli Bhasker Rao (1975 M.Sc.) Gold Medal	I rank in M.Sc. (Organic Chemistry)
6	Dr. Pramod and Mrs. Anuradha Arora Gold Medal	I rank in M.Sc. (Inorganic Chemistry)
7	Dr. Pramod and Mrs. Anuradha Arora Gold Medal	I rank in M.Sc. (Organic Chemistry)
8	Dr Challa Mythreyamma and Challa Venktarama Sarma Memorial Gold Medal	I rank in M.Sc. (Chemistry)
9	Prof. L.N. Sharada and Sri Ch. J. Varaprasad Gold Medal	I rank in M.Sc. (Inorganic Chemistry)
10	Sri Thallada Kamalamma and Thallada Ramakotaiah Gold Medal <i>This medal was introduced in this year (2022) by Dr Thallada Bhaskar, Scientist, IIP Dehradun &amp; 1992-94 batch student of M.Sc. Chemistry of Dept. of Chemistry, OU</i>	1 rank in M.Sc (Physical Chemistry)

## Supporting Non-Teaching Staff of Department

			Time Scale Staff		
1	Sri. J. Ramanand	Senior Tech. Assistant	19	Smt. Uma Devi	Lab. Attendant
2	Sri. A. Prabhudas	Lab. Supervisor/ Scientific officer	20	Sri. M. Sreedhar	Watchman
3	Sri. V. Ramachandra Murthy	Lab. Supervisor	21	Sri. K. Yadagiri	Kamati
4	Smt. Qudrath Unnisa	Superintendent	22	Smt. R. Satyamma	Kamatana
5	Sri. Imtiaz Hussain	Lab. Assistant	23	Sri. N. Nagesh	Mali
6	Sri. B. Ramanjaneyulu	Lab. Assistant	Consolidate Basis		
7	Sri. M. Narsing Rao	Glass Blower	24	Smt. M. Laxmi	Kamatana – cum - Ayah
8	Smt. M. Satyavathi	Sr. Assistant	25	Contract Basis Staff	
9	Sri. G. Anand	Sr. Assistant	26	Sri. Jagan	Lab. Asst.
10	Sri. K. Venkatesh	Jr. Assistant	27	Smt. E. Lalitha	Kamatana
11	Sri. T. Balraj	Lab. Attendant	28	Sri. N. Alluri	Kamati
12	Sri. M. Mallesh	Lab. Attendant	Sri. Mujeeb khan	Mali	
13	Sri S. Ramchander	Lab. Attendant			
14	Sri. G. Desai	Lab. Attendant			
15	Smt. Rehala Fathima	Lab. Attendant			
16	Sri. P. Ramesh	Waiter			
17	Sri. Abdul Gafoor	Kamati			
18	Sri. L.Mamji	Sr. Assistant			