

EVENTS & ACTIVITIES

@ Dept. of Chemistry, UCS, OU
During 1st July, 2023 – 9th Aug, 2024

S. No.	Type of Event/Activity
15	<p>August 9, 2024: The Department of Chemistry, University College of Science (UCS), Osmania University, celebrated National Chemistry Day on the eve of Acharya Prafulla Chandra Ray's birth anniversary, the Father of Indian Chemistry. The event, held in Lecture Hall-1 of the Department, was attended by postgraduate students from the Department of Chemistry, UCS, OU.</p> <p>The inaugural function was graced by Prof. B. Manohar, Head of the Department of Chemistry, UCS, and Prof. J. Ramchander, Chairman of the Board of Studies, Dept. of Chemistry, UCS, along with other esteemed faculty members.</p> <p>As part of the celebrations, the department organized a PowerPoint presentation competition and a Quiz for MSc Chemistry students. Certificates and prizes were awarded to the winners, recognizing their academic excellence and enthusiasm.</p> <p>The program concluded with a vote of thanks, marking the end of a successful celebration that highlighted the significance of chemistry in the academic and professional development of the students.</p>
14	<p>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..</p>

13	Taksh 2024 was conducted on 24th, 25th & 26th April 2024 @ Department of Chemistry University College of Science Osmania University Hyderabad - 7; Telangana State India.
12	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.
11	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 rd February 2024. It was followed by Book release on “Practical Organic Chemistry-Primer” Written by Prof. V. Peesapati , Chairman, RSC-LSD, India
10	Guest Lecture by Dr. P. K. Jain, Associate Director , ARCI, Hyderabad, was arranged on 30 th 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”
9	Departmental cricket match was conducted on 19 th January 2024
8	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 th January 2024.
7	Guest Lecture by Prof. Tushar Jana , Professor, School of Chemistry, University of Hyderabad, was arranged on 30 th December 2023 on the occasion of superannuation of

	<p>Prof. U. Umesh Kumar of Dept. of Chemistry, OU for the MSc students, Research Scholars and faculty members at 10:00 a.m.</p> <p>Title of the Talk: “Polymer Nanomaterials: Design, Synthesis and Applications”</p>
6	<p>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 22nd December 2023.</p>
5	<p>MSc Chemistry I year students of the Dept. of Chemistry, OU participated on 15th December 2023 in the National Seminar on “Science and Society 2023” with the theme of Bridging the Gap: Science and Society in the 21st Century Organized by IGNA and CSIR-IICT on special invitation from CSIR-IICT.</p>
4	<p>Refresher Course in Chemistry with the Theme: Comprehensive Chemical Analysis and Characterization, was conducted by Prof. D. A. Padmavathi as the Course Coordinator from Dept. of Chemistry, OU organized under UGC- MMTTC (HRDC), OU from 6th to 20th December 2023.</p>
3	<p>The Department of Chemistry at UCS, OU, organized an Induction Program 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 25th November 2023.</p>
2	<p>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 10:00 a.m. on 30th October 2023.</p>
1	<p>Department of Chemistry, University College of Science, Osmania University Conducted ONE-DAY NATIONAL SEMINAR on “Organocatalysis: Prospects and Opportunities” on 1st JULY 2023.</p>

HONORS & AWARDS

- 9 On 13TH Aug,2023, Prof. A. Hari Pamasri is elected and honored as a Fellow of the Telangana Academy of Sciences (TAS) 2023 🌈 This is a well-deserved recognition of her outstanding contributions to science and academia.
- 8 3 rd Indian Analytical congress (IAC-2024) An International Analytical Conference and Exhibition CSIR-IIP, Dehradun Uttarakhand. 5th to 7th June 2024 Paper presented 'Awarded as Best Poster
- 7 Professor A K Durga Bhavani(Retd.) from Chemistry Department OU was selected as Senior-Women-Scientist for Widushi Program of the Wise Kiran Division, India-DST
- 6 Prof. A. Hari Padmasri Judged a poster session of 2nd International Conference on Novel Materials and Technologies for Energy and Environment Applications (NMTE2A) during 17th - 18th February 2024 Organized by Department of Chemical Engineering, Birla Institute of Technology & Science, Pilani - Hyderabad Campus, Telangana, India.
- 5 **12 Research scholars of the faculty of Dept. of Chemistry, OU have been selected for the Gurukula JL/DL/PGT posts in February 2024.**
- 4 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 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 Prof. J. Ramchander had taken charge as Chairperson, BOS, Dept. of Chemistry, OU on 30th January 2024.
- 1 Prof. P.V. Anantha Lakshmi had taken charge as Chairperson, BOS, Dept. of Chemistry, OU on 30th December 2023.

Ph.Ds Awarded under the supervision of Faculty of Chemistry, Dept. of Chemistry, OU

17 research scholars were awarded Ph.D. from 17th Dec '23 till date (March 2024).

Publications of the Faculty Members:

- 29** Sharadha, N., Kumari, H. K. and Reddy, R. J.* Transition-Metal-Free Annulation of Sulfonyl Derived 1,3-Enynes: Simple and Efficient Construction of 2,4-Disubstituted Thiophenes and Vinyl Sulfone-Tethered 1,2,3-NH-Triazoles Asian J. Org. Chem., 2024, e202400211 IF: 2.70 H5: 55
- 22** G. Swarupa, N. Anuradha, K. Narsimha, Kathi Sudarshan, G. Upender B. Vijaya Kumar, Enhanced Photocatalytic Efficiency of BaTiO₃ Augmented by ZnS Nanospheres via Type-II Heterojunction for Methyl Orange Degradation, Mater. Sci. Semicond. Process (Accepted), I.F: 4.2
- 28** E. Praveen Kumar, N. Chanakya, Ayesha Siddiqua, Kurugundla Gopi Krishna, B. Vijaya Kumar, P. Muralikrishna, G. Upender, Investigations on MWO₄ (M = Cu, Zn, Cd and Sn) nanostructures for detecting toluene gas at room temperature, Sensors & Actuators: A. Physical 368 (2024) 115094. I.F: 4.6, doi.org/10.1016/j.sna.2024.115094
- 27** Nakka Srisailam, Narmada Vallakeerthi, Revathy Sundara Moorthy, Kavitha Marapaka la Simultaneous RPHPLC Estimation, Validation and Stability Indicating Assay of Two Component Tablet Formulation Containing Grazoprevir and Pibrentasvir IGPQA 15 896-901 2024
- 26** Kumari, H. K., Kumar, J. J., Sharadha, N., Krishna, G. R. and Reddy, R. J.* Visible-Light-Induced Radical Sulfonylative Cyclization Cascade of 1,6-Enynol Derivatives with Sulfinic Acids: A Sustainable Approach for the Synthesis of 2,3-Disubstituted Benzoheteroles ChemSusChem, 2024, 10, e202400227 IF: 8.40 H5: 187
- 25** D. Satya Vardhan, Ch Sameera Devi, P. Nagaraju, P. Muralikrishna, B. Vijaya Kumar, G. Upender, Room temperature sensing of ammonia and formaldehyde gases through novel anisotype heterojunction of p-Co₃O₄/n-Gd_{0.1}Ce_{0.9}O_{2-δ} as highly responsive and stable sensors, Materials Chemistry and Physics 313 (2024) 128694, I.F: 4.6, doi.org/10.1016/j.matchemphys.2023.128694.
- 24** Zero-Emission Hydrogen Production by CH₄ Pyrolysis over Ni/Ferrierite Catalyst: Examination of the Deactivated Catalysts for Electrical Conductivity and H₂ storage Properties Kalpana Manda, Sasikumar Boggala, Shirisha Varimalla, Hari Padmasri

	Aytam, Pratyay Basak, International Journal of Hydrogen Energy 68 (2024) 511-519. ISSN: 0360-3199; IF = 7.139
23	Reddy, R. J.* Kumar, J. J. and Kumari, H. K. Recent trends in the synthesis and applications of β -iodovinyl sulfones: A decade progress (Review article). Org. Biomol. Chem. 2024, 22, 2492-2509. IF: 3.10 H5: 130
22	R. Parikirla, R. Kore, V. Rohini, D. V. Rao, P. Chetti, Someshwar Pola, Synthesis of New Cu/Zn (II) Complexes for Sonophotocatalysis for Mineralization of Pesticides and Agrochemical Wastewater, J. Environ. Chem. Eng., 2024, 113471, (https://doi.org/10.1016/j.jece.2024.113471).
21	Influence of sulphonation on AIMCM-41 catalyst for effective bioglycerol conversion to Solketal Balakrishna Matkala, Sasikumar Boggala, Srinivas Basavaraju, V.S. Sarma Akella, Hari Padmasri Aytam Microporous and Mesoporous Materials, 363 (2024) 112830 ISSN: 1387-1811 IF: 5.2
20	Clean hydrogen production via methane cracking over Ni supported on ceria-silica catalysts Kandukuri Venkateshwarlu, Manda Kalpana, Aytam Hari Padmasri,* Burri Vijayalaxmi, Mavurapu Satyanarayana, Vasam Chandra Sekhar
19	S Yelagandula, RR Eragari, A Ramakrishna Reddy, LR Kotha, PR Adulla, Impact of Ce–Cu metal ions on structural, magneto-electrical properties of Co ²⁺ based nano ferrites and their application in photo catalytic activity, Chemical Papers, vol 78, 5131-5150, 2024
18	E. Praveen Kumar, N. Chanakya, Ayesha Siddiqua, Kurugundla Gopi Krishna, B. Vijaya Kumar , P. Muralikrishna, G. Upender, Investigations on MWO ₄ (M = Cu, Zn, Cd and Sn) nanostructures for detecting toluene gas at room temperature, <i>Sensors & Actuators: A. Physical</i> 368 (2024) 115094. I.F: 4.6, doi.org/10.1016/j.sna.2024.115094
17	D. Satya Vardhan, Ch Sameera Devi, P. Nagaraju, P. Muralikrishna, B. Vijaya Kumar , G. Upender, Room temperature sensing of ammonia and formaldehyde gases through novel anisotype heterojunction of p-Co ₃ O ₄ /n-Gd _{0.1} Ce _{0.9} O _{2-d} as highly responsive and stable sensors, <i>Materials Chemistry and Physics</i> 313 (2024) 128694, I.F: 4.6, doi.org/10.1016/j.matchemphys.2023.128694.

	Effect of method of preparation of Ni and/or Cu supported on ZSM-5 catalysts for the aqueous phase hydrogenation of levulinic acid to γ -valerolactone . Shirisha Varimalla, Kalpana Manda, Sasikumar Boggala, Rohitha Chozhiyath Nappuni, Sreedhar Inkollu, Hari Padmasri Aytam and Venugopal Akula. Accepted for publication in Catalysis Today (2024) ISSN: 0920-5861; IF = 5.3
16	Surface Lewis Basic Site Enabled Proton Abstraction for the Regioselective Synthesis of Ynone and Flavone over Pd0/Cs-ZSM-5 Catalyst: Mechanistic Understanding and Structure-Activity Correlation. Sasikumar Boggala, Vishali Bilakanti, Hari Padmasri Aytam, Kalpana Manda, Shirisha Varimalla and Venugopal Akula Accepted for publication in Catalysis Science and Technology, Article in press (2024) https://doi.org/10.1039/D4CY00409D ISSN: 2044-4761; IF = 6.177
15	Influence of sulphonation on Al-MCM-41 catalyst for effective bio-glycerol conversion to Solketal Balakrishna Matkala, Sasikumar Boggala, Srinivas Basavaraju, V.S. Sarma Akella, Hari Padmasri Aytam , Microporous and Mesoporous Materials , 363 (2024) 112830, ISSN: 1387-1811 IF: 5.2
14	Effect of La loading on the Photocatalytic Degradation of Brilliant Yellow and Acid Blue Dyes in Visible Light and Sunlight over La ₂ O ₃ -TiO ₂ Nanocomposites, Vasantha Amrutha, Vijayalaxmi Burri, Venkatesham Kothabai, Rohitha Nappunni and Hari Padmasri Aytam , Asian Journal of Chemistry 36(1) (2024) 69-80.
13	Characterization And Activity Evaluation Of Acidic Zeolites: Valorization Of Glycerol To Solketal, A Fuel Additive Yadaiah Salwadi, Venkatesham Kothabai, Vijayalaxmi Burri, Balakrishna Matkala, Sasikumar Boggala and Hari Padmasri Aytam IOSR Journal of Applied Chemistry (IOSR-JAC) 16 (12) Ser. I (2023)05-13.
12	M. Erragolla, R, Gade, R. Kore, S. N. Babu, S. V. Manorama, P Chetti, Someshwar Pola Photomineralization of urban stormwater under visible light irradiation by using new tellurium-based defect pyrochlores, Sus. Chem. Environ., 2024, 5, 100080.
11	Photomineralization of urban stormwater under visible light irradiation by using new tellurium-based defect pyrochlores, Mohan Erragolla, Ramesh Gade, Ranjith Kore, S Narendra Babu, Sunkara V Manorama, Prabhakar Chetti, Someshwar Pola Sustainable Chemistry for the Environment 5 (2024) 100080

10	Ag-Li-ZnO nanostructures for efficient photocatalytic degradation of organic dyes and textile wastewater under visible light treatment, K Masula, R Kore, Y Bhongiri, S Pola, M Basude. Journal of Molecular Structure, 1305 (2024) 137750, IF = 3.8
9	Design, synthesis, and cytotoxicity of ibuprofen-appended benzoxazole analogues against human breast adenocarcinoma , Vishnu Thumma, Veerabhadraiah Mallikanti, Raghavender Matta, Ravinder Dharavath, Pochampally Jalapathi , RSC Med. Chem., 2024; IF = 4.1
8	Design, synthesis and anticancer activity of 5-((2-(4-bromo/chloro benzoyl) benzofuran-5-yl) methyl)-2-((1-(substituted)-1H-1, 2, 3-triazol-4-yl) methoxy) benzaldehyde analogues, T Vishnu, M Veerabhadraiah, V Krishna Chaitanya, M Nagamani, M Raghavender, P Jalapathi, Molecular Diversity, 2023; IF = 3.8
7	Design, synthesis and molecular docking studies of new phenanthrene-linked oxadiazoles as potential antimicrobial agents, Ramesha Thongolla, Pulabala Ramesh, Sailam Sri Gogula, Vankadari Srinivasa Rao, Rohini Rondla, and P. Muralidhar Reddy, Journal of Molecular Structure, 2024, 1300, 137260. IF: 3.841, Publisher: ELSEVIER Science Ltd, USA, ISSN: 0022-2860
6	Application of Hammett and Taft Equations Together on the Deprotonation Equilibriums of Isoxazolium Cations: A One Hour Graduate Classroom Teaching Sanjeev Rachuru, Raju Manthena, K Ankamma, DA Padmavathi , V Jagannadham World Journal of Chemical Education 2024, Vol. 12, No. 1, 1-5
5	ASIAN JOURNAL OF CHEMISTR Y Goli J. Rupa, Dharavathu Veeranna and J. Ramchander 2024 Synthesis of new quinolone based morpholine-1,2,3-triazole hybrids and their cytotoxicity Vol 36No. 2(2024)
4	Biological and equilibrium studies of Co(II), Cu(II), Zn(II), and Cd(II) complexes of 1-formyl-3-semicarbazide: Docking studies Anjum Fatima, P. Nirmala Jyothi and B. Sireesha, Applied Organometallic Chemistry, 38(7), 2024, 1-16, DOI: http://doi.org/10.1002/aoc.7529 ISSN 0268-2605 , 1099-0739 (IF 4.072)
3	Green pathway for the construction of aryl-1, 8-naphthyridine-thiazole scaffolds and in vitro-antimicrobial evaluation, DNA binding interactions, viscosity measurements, molecular modeling studies and ADME properties. B Sonyanaik, D Ravi, K Kishore, P Shyam, B Sakram - Research on Chemical Intermediates, 50 1 265-279 2024.
2	M. Manjula , Rama Koyyati and B. Rajani, “Isolation, molecular identification, cultural characteristics and biomass production by three purple non sulphur bacteria from soil and water samples”, Published year: 2024; BIOCHEMICAL AND CELLULAR ARCHIVES, Volume 24, Issue 1, 0-0, 0972-5075, Clarivate Analytics, ISI Master list indexed
1	M.Manjula, Rama Koyyati and B.Rajani, “Impact of Biofertilizers and Bio stimulant of Three Different Rhodopseudomonas Strains on Experimental Cultivation of Chilli Plants (Capsicum Annuum)”, Published year: 2024; International Journal of Research and

Analytical Reviews (IJRAR), Volume 11, Issue 2, 504-523, 2348-1269, google scholar and Semantic Scholar, UGC approved journal indexed	
Seminars/Conferences/Workshops attended	
1	Prof. A. Hari Padmasri attended 2 nd International Conference on Novel Materials and Technologies for Energy and Environment Applications (NMTE2A) during 17 th - 18 th February 2024 Organized by Department of Chemical Engineering, Birla Institute of Technology & Science, Pilani - Hyderabad Campus, Telangana, India.
Invited Talks/Guest Lectures delivered	
11	On 19th July, 2024, gave an Invited lecture on “Topic: Unlocking Molecular secrets: An introduction to NMR Spectroscopy” for teachers , in A one-week FDP on “Chemistry Convergence: Recent Trends in Organic, Molecular and Materials science” from 16th To 20th July, 2024 Conducted By Department Of Chemistry, Geethanjali College Of Engineering & Technology Ugc Autonomous Institution Affiliated To Jntuh, Cheeryal (V), Keesara (M), Medchal Dist, Telangana – 501301
10	Dr. P. Muralidhar Reddy delivered an invited talk on “ High-Speed, Low-Cost MS Methods for Vitamin D Deficiency Evaluation ” One-Day National Seminar on EMERGING TRENDS IN CHEMICAL SCIENCE AND TECHNOLOGY (ETCST-2024) on 24 th February, 2024, Organized by Department of Chemistry, N.T.R. Govt. Degree College for Women (Affiliated to Palamuru University), Mahabubangar-509001, Telangana State
	Guest Lectures delivered in Refresher Course in Chemistry 6 th -20 th Dec 2023 with the Theme: Comprehensive Chemical Analysis and Characterization organized by Dept. of Chemistry, OU under UGC-HRDC, OU
9	The project proposals of participants were evaluated by Professor M Vitthal and Professor P Leelavathi .
8	Prof M Vitthal, Professor P Vijay Kumar and Professor P Someshwar from Chemistry department UCS-OU evaluated the group project presentations.
7	Prof P Vijayacharan, Professor P Jalapathi and Dr T Gangadhar from Chemistry department UCS-OU evaluated the seminar presentations.
6	On 19th Dec, 2023, in the afternoon’s first session, Professor A H Padmasri from Osmania University spoke about Characterization of Catalysts .
5	On 18th Dec, 2023, Prof P Leelavathi delivered a lecture on spectral analysis deciphering structure of the compound through UV, IR, NMR and Mass spectral techniques.
4	On 11th of December 2023, Optical Rotatory Dispersion (ORD) Spectroscopy Principles And Applications by Prof. P Jalapathi from Chemistry Department UCS-OU
3	On 11th of December 2023, Prof B Sireesha from University College of Science (UCS), Osmania University, conducted a session on Titrimetry .
2	On 8 th Dec 2023 covered ESR Spectroscopy by Professor P Sarita Reddy from UCS-OU
1	On 8 th Dec, 2023 Prof. P V. Anantha Lakshmi , Professor of Chemistry, OU on Normal mode Analyses – A Group theoretical approach .

Photographs of the Events

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



10:00 a.m. on 30th October 2023.

Refresher Course in Chemistry 6th -20th Dec 2023

Dept of Chemistry, OU & UGC-MMTTC (HRDC),OU



INAUGURAL SESSION



Visit to IICT (Part of the program)



VALEDICTORY SESSION

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



National Seminar on “Science and Society 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 6th January 2024.



11:00 a.m. on 6th January 2023

Guest lecture by Dr Tushar Jana Guest Lecture by **Prof. Tushar Jana**, Professor, School of Chemistry, University of Hyderabad, was arranged on 30th 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”**



Prof P V Anantha Lakshmi taking charge as Chairperson, BOS, Dept. of Chemistry, OU





ఉస్మానియా యూనవర్సిటీ కెమిస్ట్రీ డిపార్ట్మెంట్ విద్యార్థులు నిర్వహించిన క్రికెట్ పోటీలో డిపార్ట్మెంట్ HOD డాక్టర్ మనోహర్ గారు మరియు డిపార్ట్మెంట్ ఫ్యాకల్టీ మెంబర్స్ ట్రాస్ వేసి ఆటను ప్రారంభించారు. వారు మాట్లాడుతూ విద్యార్థులకు చదువుతో పాటు క్రీడలు కూడా మానసిక ఉల్లాసానికి చాలా అవసరం అని అన్నారు. ఈ కార్యక్రమంలో విద్యార్థులు ఉత్సాహంగా పాల్గొన్నారు.

**Padmabhushan Prof T SR Seshadri Memorial Lecture by Shanti Swarup Bhatnagar
Awardee Prof GSR Subba Rao**



Title of the Talk: “Synthesis, Characterization & Applications of Carbon nanomaterials”
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.



Campus Recruitment Drive for Aragen Life Sciences 15.2.24

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 short listed followed by technical interview.



9:00 a.m. on 15.2.2024

Prof J Ramchander taking charge as Chairperson, BOS, Dept. of Chemistry, OU

Research scholars of the faculty of Dept. of Chemistry, OU have been selected for the Gurukula JL/DL/PGT posts in February 2024.



Selection of Dept. of Chemistry, OU research scholars as Gurukula JL/DL/PGT

12 Research scholars of the faculty of Dept. of Chemistry, OU have been selected for the Gurukula JL/DL/PGT posts in February 2024.

నమస్తే తెలంగాణ

ఐదు ఉద్యోగాలతో రెసిడెన్షియల్ రికార్డు

హనుమకొండ చౌరస్తా, మార్చి 2 : హనుమకొండ కాకతీయ ప్రభుత్వ డిగ్రీ కాలేజీ లైబ్రెరియన్ పల్లెర్ల శంకరయ్య కూతురు పల్లెర్ల రసజ్జ ఐదు ప్రభుత్వ ఉద్యోగాలు సాధించింది. మొదటినుంచి చదువులో చురుకైన విద్యార్థినిగా యూనివర్సిటీ ఆఫ్ హైదరాబాద్ నుంచి డిగ్రీ పీజీ(కెమిస్ట్రీ 2019లో), ఇందిరాగాంధీ నేషనల్ ఓపెన్ యూనివర్సిటీ నుంచి లైబ్రరీ అండ్ ఇన్ఫర్మేషన్ సైన్స్లో 2022 మాస్టర్ డిగ్రీ పూర్తి చేశారు. విద్య, పరిశోధన నిమిత్తం యూనివర్సిటీ గ్రాంట్స్ కమిషన్ దేశవ్యాప్తంగా నిర్వహించే సీఎస్ఐఆర్ యూజీసీ నెట్, జూనియర్ రిసెర్చ్ ఫెలోషిప్(కెమికల్ సైన్స్) 2019లో యూజీసీ నెట్, జూనియర్ రిసెర్చ్ ఫెలోషిప్ (లైబ్రరీ, ఇన్ఫర్మేషన్ సైన్స్ 2023లో) సాధించారు. ప్రస్తుతం ఉస్మానియా యూనివర్సిటీ కెమిస్ట్రీ డిపార్ట్మెంట్లో పీహెచ్డీ ప్రొఫెసర్ పి.సరితారెడ్డి పర్యవేక్షణలో చేస్తూ, వివిధ పోటీ పరీక్షలకు ప్రభుత్వ ఉద్యోగాల కోసం సిద్ధమై ఉన్నట్లు తెలుస్తోంది. ఆమెకు ఇంకా రెసిడెన్షియల్ రికార్డు వారు నిర్వహించిన పరీక్షల్లో అర్హత సాధించారు.



పల్లెర్ల రసజ్జ

1. రెసిడెన్షియల్ డిగ్రీ లెక్చరర్ ఇన్ కెమిస్ట్రీ, 2. రెసిడెన్షియల్ డిగ్రీ కాలేజీ లైబ్రెరియన్, 3. రెసిడెన్షియల్ జూనియర్ కాలేజీ లైబ్రెరియన్, 4.పాలిటెక్నిక్ లైబ్రెరియన్, గవర్నమెంట్ జూనియర్ కాలేజీ లైబ్రెరియన్, 5.గ్రూప్-4 సర్వీసెస్లో మొత్తం ఐదు ఉద్యోగాలకు ఎంపికైనట్లు తెలిపారు.

Chemistry Department Estd. 1917	
M.Sc. (Started 1928)	Post Graduate - 2 Year Course
M.Sc. (in 2000)	Specialization: Organic, Inorganic & Physical Chemistry and Forensic Science
Average Pass %	Students intake/year 30+20+20 (90/Yr)
Placements	Forensic Science (Students intake: ~30/Yr ~60%; Distinction ~15%; 1 Class ~35%)
	10-15% - Industries-Heterodrugs, Mylan, MSN Labs, GVK Bio, Dr Reddys etc
	20-30% - Educational Institutions as Lecturers; 40% - Research
	6 Constituent colleges, 3 PG Centres at Mirzapur (Medak district), Jogipet and Narasapur,
	~60 Private & Govt. affiliated colleges offer M.Sc. Chemistry & 250 Degree colleges offer B.Sc. Course
M.Sc. syllabus	(CBCS) has been revised in June, 2023
Ph.D (Started 1950)	4-5 Years along with 1 year course work
Research@ Department	No. of PhD's awarded >50/Yr
(All Are Research Supervisors)	UGC-CSIR, DST, DBT, DST, DST-FIST, UGC-SAP, UGC-CPEPA and DST-PURSE Grants >3 crores;
	1 faculty member has MOU with Taiwan H-index: ~10-26
	Publications: > 120/year;
	Impact factor 0.6-9;
	Guestinvited lectures > 100/Yr.
Awards & Fellowships	FRSC, Cchem, Eur.Chem, CSci, TAS fellowships, Govt. of TS Best Teacher award
Facilities	Class Rooms 5; Labs : 8;
	Staff rooms with computers: 25;
	Research Labs 20; instrumentation Labs:3;
	Computer Lab: with 25 computers working
Alumni Contribution	Esteemed alumni contributed to the development of infrastructure and academic activities in the department
Non teaching Staff:26	Senior Tech Assistant:1 Lab supervisor :1
(16 Permanent + 10 Temporary)	Superintendent 1; Glass blower 1; Lab Assistant 3; Sr Assistant 4; Jr Assistant 1; Lab Attendant 6; Kamati : 5; Mali :2; Watch man :1

Gold Medals for MSc students	
1. Prof. K. Suresh Babu	Gold Medal (Organic Chemistry)
2. Prof. C. Suresh Babu	Gold Medal (Organic Chemistry)
3. Prof. M. S. Suresh Babu	Gold Medal (Organic Chemistry)
4. Prof. S. Suresh Babu	Gold Medal (Organic Chemistry)
5. Prof. S. Suresh Babu	Gold Medal (Organic Chemistry)
6. Prof. S. Suresh Babu	Gold Medal (Organic Chemistry)
7. Prof. S. Suresh Babu	Gold Medal (Organic Chemistry)
8. Prof. S. Suresh Babu	Gold Medal (Organic Chemistry)
9. Prof. S. Suresh Babu	Gold Medal (Organic Chemistry)
10. Prof. S. Suresh Babu	Gold Medal (Organic Chemistry)



Department of Chemistry Faculty as on 2024

Professors

- Dr. B. Manohar M.Sc. Ph.D
- Dr. M. Vijulatha M.Sc. Ph.D
- Dr. J. Ramchander M.Sc. Ph.D
- Dr. P. Vijay Kumar M.Sc. Ph.D
- Dr. G. Vijaya Charan M.Sc. Ph.D
- Dr. P. Saritha Reddy M.Sc. Ph.D
- Dr. D. A. Padmavathi M.Sc. Ph.D
- Dr. B. Sireesha M.Sc. Ph.D
- Dr. P. Jalapathi M.Sc. Ph.D
- Dr. B. Yadagiri M.Sc. Ph.D
- Dr. B. Sakram M.Sc. Ph.D
- Dr. A. Hari Padmasri M.Sc. Ph.D
- Dr. Y. Jayaprakash Rao

Associate Professors

- Dr. T. Gangadhar M.Sc. Ph.D
- Dr. A. Krishnam Raju M.Sc. Ph.D

Assistant Professors

- Dr. Kiran Kumar A. M.Sc. Ph.D
- Dr. B. Vijaya Kumar M.Sc. Ph.D
- Dr. Someshwar Pola M.Sc. Ph.D
- Dr. P. Muralidhar Reddy M.Sc. Ph.D
- Dr. K. Laxma Reddy M.Sc. Ph.D
- Dr. M. Kavitha M.Sc. Ph.D
- Dr. P. Saritha Rajender M.Sc. Ph.D
- Dr. K. Premalatha M.Sc. Ph.D
- Dr. G. Vijaya Lakshmi M.Sc. Ph.D
- Dr. V. Shashikala M.Sc. Ph.D
- Dr. Aliya Begum M.Sc. Ph.D
- Dr. Y. Hemasri M.Sc. Ph.D
- Dr. M. Radhika M.Sc. Ph.D
- Dr. V. Jagadeeswar M.Sc. Ph.D
- Dr. P. Sunitha Manjari M.Sc. Ph.D
- Dr. R. Koteswar Rao M.Sc. Ph.D
- Dr. M. Vasavi M.Sc. Ph.D
- Dr. S. Aravind M.Sc. Ph.D
- Dr. N. Navneetha M.Sc. Ph.D
- Dr. Padma Bhukya M.Sc. Ph.D
- Dr. K. Shivakumar M.Sc. Ph.D
- Dr. Raju Jannapur Reddy M.Sc. Ph.D
- Dr. T. Sowmya M.Sc. Ph.D
- Dr. K. Rama Devi M.Sc. Ph.D

Emeritus Professor

- Dr. Shivaraj M.Sc., Ph.D, FTAS(Retd.)
UGC-BSR Faculty Fellow



TAKSH -2024

on
24th, 25th & 26th April 2024

@
Department of Chemistry
University College of Science
Osmania University
Hyderabad-7; Telangana State India

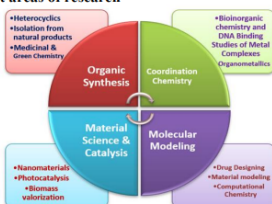
Osmania University, the glorious seat of higher learning established 100 years ago, has **Chemistry Department** as an integral part of the esteemed institution in its stride all through these years since its inception. Chemistry Department currently with 39 faculty members derives its strength from 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

Departmental Profile

Chemistry Department 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, Analytical, Pharmaceutical, Pharmacoinformatics, 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).

Chemistry Department at University College of Science, Osmania University currently has 21 eminent teaching fraternity. Their expertise helps the students to undergo meticulous classroom and laboratory training, which is reflected by CSIR-UGC/NET/GATE fellowships and placements in reputed industries or research institutes all over India. 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 IIC, Hyderabad, Dr. Reddy's Laboratories, Hyd. etc. 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.

Thrust areas of research



Research Grants

Department received grants constantly 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 ~ 5Cr are:

Name of the Principal Investigator/ Co-Investigator	Name of the Funding agency	Funds provided (INR in lakhs)	Duration of the project
Dr. Raju Jannapur Reddy, Co-PI	CSIR-EMR-II	Rs. 27.8L	2018-21
Dr. P. Muralidhar Reddy, Co-PI	DST-JACS (As a mentor)	Rs. 23.8L	3 years
	BTM Foundation & TSC, Ch. Univ., Hailan, Taiwan	Rs. 29.3 L	2020-22
Dr. P. Muralidhar Reddy, Co-PI	TDTU, Vietnam	Rs. 29.25L	2020-22
Dr. K. Shivakumar	CSIR	Rs. 29.16L	2018-21
Dr. K. Shivakumar	CSIR	Rs. 30.20 L	2018-22
Dr. P. Saritha Reddy	DST-PURSE	Rs. 2.5L	2019-22
Prof. D. Ashok	UGC-BSR	Rs. 13 L	2018-22
Prof. M. Vimaladha	DST-SERB Empowerment and Equity Opportunities for Excellence in Science	Rs. 42 L	2018-23
Prof. M. Vimaladha	CSIR	Rs. 21.8L	2019-23
Prof. M. Vimaladha	DST-BIRAC COVID-19 Research Consortium	Rs. 45.8L	2019-21
Prof. Shivaji	UGC-BSR Fellowship	Rs. 11 L	2021-24
Dr. Someshwar Pola, Co-PI	DRDO-DRM	Rs. 15.7L	2020-24
Dr. B. Vijaya Kumar	DST-SERB	Rs. 13.20 L	2017-20
Dr. B. Vijaya Kumar	UGC-BSR	6L	2017-20
Dr. B. Vijaya Kumar, Co-PI	DST-SERB SURE	24 L	2022-26
Dr. B. Sakram	DST-SERB SURE	50L	2023-26
Dr. B. Yadagiri	DST-SERB SURE	50L	2023-26
Dr. T. Gangadhar	DST-SERB SURE	50L	2023-26

Patents filed and Granted:

Dr. Muralidhar Reddy has 1 International and 1 National patent and Prof. P. Jalapathi has 2 National patents.

Library facility: Department has a good double storied library 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.

Instrumental Facilities Available

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



Events: Conferences, National Seminars, Chemfest (National Science day celebrations); Taksh (open day celebration), Alumni meets, Webinars, Training programs(FDP) are conducted every year on regular basis. Apart from this Step-Up Mentoring Program, and Entrepreneur Series, first of its kind was organized by OUCAA-NA, OUCF & Dept. of Chemistry, UCS, OU. to provide support and guide research scholars and students to achieve their career aspirations and professional goals.

Students Achievements: 20 Research Scholars and Students from Chemistry Department got placements in TREI-RB (Telangana educational institutions recruitment board) Social welfare Govt degree and PG College as DL / and JL and PGT in 2024 selections.

Students qualified in TSET exam >10/Yr
Placements Data: >20 were placed in Syngene International, or Akash or and Bijju's.





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 LH-1 , Dept. of Chemistry, UCS, OU



August 9, 2024: The Department of Chemistry, University College of Science (UCS), Osmania University, celebrated National Chemistry Day on the eve of Aacharya Prafulla Chandra Ray's birth anniversary, the Father of Indian Chemistry. The event, held in Lecture Hall-1 of the Department, was attended by postgraduate students from the Department of Chemistry, UCS, OU.



Hyderabad, Telangana, India

Department of Chemistry, Osmania University, Amberpet, Hyderabad, Telangana 500007, India

Lat 17.418091°

Long 78.530723°

09/08/24 10:46 AM GMT +05:30

GPS Map Camera

ఘనంగా జాతీయ రసాయన దినోత్సవం



సవతెలంగాణ-ఓయూ

ఉస్మానియా యూనివర్సిటీ, సైన్స్ కళాశాల, రసాయన శాస్త్ర విభాగంలో శుక్రవారం జాతీయ రసాయన దినోత్సవాన్ని విభాగం సెమినార్ హాల్‌లో ఘనంగా నిర్వహించారు. విభాగంలోని లెక్చర్ హాల్-1లో నిర్వహించగా రసాయన శాస్త్ర విభాగం పీజీ విద్యార్థులతో పాటుగా రసాయన శాస్త్ర విభాగం అధిపతి ప్రొఫెసర్ బి. మనోహర్, రసాయన శాస్త్ర బోర్డు చైర్మన్ ప్రొఫెసర్ జె. రామచందర్ ముఖ్య అతిథులుగా పాల్గొన్నారు. భారత రసాయన శాస్త్ర పీఠామహానుజు ఆచార్య ప్రపుల్ల చంద్ర రాయ్ జన్మదినాన్ని పురస్కరించుకుని వ్రతీ సంవత్సరం ఆగస్టు 9న, జాతీయ

రసాయన దినోత్సవాన్ని ఘనంగా నిర్వహిస్తున్నట్లు ఓయూ విభాగం హెడ్ ప్రొ.మనోహర్ తెలిపారు. కార్యక్రమంలో భాగంగా ఎంఎస్సీ రసాయన శాస్త్ర విద్యార్థుల కోసం పవర్ పాయింట్ ప్రెజెంటేషన్ పోటీ, క్విజ్ నిర్వహించారు. విజేతలకు బహుమతులు, సర్టిఫికేట్లు ప్రధానం చేశారు. ఈ సందర్భంగా విద్యార్థుల అకాడమిక్ ప్రావీణ్యత, ఉత్సాహాన్ని గుర్తిస్తూ వీరిని ప్రోత్సహించారు. రసాయన శాస్త్రం విద్యార్థుల అకాడమిక్, ప్రొఫెషనల్ అభివృద్ధిలో నిబంధన అయిన రసాయన శాస్త్ర ప్రాముఖ్యతను ఈ సందర్భంగా హైలైట్ చేశారు. అధ్యాపకులు, విద్యార్థులు పాల్గొన్నారు.

Date: 10/08/2024, Edition: HYDERABAD, Page: 10
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