

BIODATA

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M Sc: 1st class with Distinction (Physical Chemistry) Osmania University, Hyderabad, 1992 – 1994.

Ph D: IICT (Osmania University), 2001

Title: **Hydrodechlorination of CCl₂F₂ over calcined Mg-Al hydrotalcite supported Pd based catalysts.**

Area of Specialization: Physical Chemistry with 16 years of teaching experience in UG & PG

Research Experience: 28 years

Research Interests: Catalysis, Nanomaterials, Sustainable Energy (Biomass Conversion)

Distinctions:

- Junior Research Fellow: UGC Fellowship with GATE score during 1995-98
- Senior Research Fellow: UGC Fellowship with GATE score during 1998-2000
- Extended SRF: CSIR, New Delhi, 2001 – 2002.
- Research Associate: CSIR, New Delhi, 2002 – 2006.
- Senior Research Associate: CSIR, New Delhi, 2006 - 2007.
- DST Women scientist project DST, New Delhi, 2007.
- **BEST ORAL PRESENTATION AWARD:** for the research paper presented at the 14th National symposium on Catalysis held at Anna University, Chennai in December 1998.
- One of the Key authors of the paper entitled 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 the 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.
- Two research scholars received best oral and poster presentation awards for the paper presented in the Two-day National Seminar on “Chemical Sciences in Sustainable Technology and Developments - Challenges & Opportunities” (CSSTDco-2023), held at Kanha Shantivanam, Shamshabad. 25th February, 2023 organized by Dept. of Chemistry, TSWRD&PGCW, Mahendrahills.
- One research scholar received best oral presentation award for the paper presented in 1st International Conference on RIST-2023 on 30th September 2023 organized and held at Dept. of Chemistry, University College of Science, Saifabad, OU.

Research Experience & Expertize

- A total 28 years of experience in catalysis research including that of the Ph.D period
- Expertize in the synthesis of various Metal, Metal oxides, hydrotalcite-like compounds, mesoporous materials, nanomaterials, MOFs, Carbon Nano tubes, mesoporous carbons by various methods in the preparation.
- Knowledge of various characterization techniques viz., XRD, TPR/TPD/TPO, DTA/TG, Adsorption studies in high vacuum, ESCA, AAS, SEM/TEM, IC, FT-IR, GC, GC-MS
- Capable of handling and operating Bench-top XRD unit, FT-IR, IC, GC, GC-MS, TPR/TPO and TPD units.
- Can fabricate on-line micro-reactors for conducting vapor-phase catalytic reactions & can also handle high-pressure reactors.

No. of Publications:

62 publications in reputed international journals (*1 paper with IF = 24.319; 36 papers with IF > 3, and 28 papers with IF > 5*), *H-index = 21; i-10 index = 34; Citations = 2140; 3 Indian and 3 US patents* filed as Co-inventor.

S.No.	Title of the Paper	Authors	Journal Name/Vol./Year/ISSN/IF
1	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
2	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
3	Zero-Emission Hydrogen Production by CH ₄ Pyrolysis over Ni/Ferrierite Catalyst: Examination of the Deactivated Catalysts for Electrical Conductivity and H ₂ 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

		Sreedhar Inkollu and Venugopal Akula	
4	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	Oriental Journal of Chemistry 40(3) (2024)
5	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 ISSN: 0970-7077
6	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; e-ISSN: 2278-5736.
7	Generation of Pure H ₂ through CH ₄ Cracking Over Ni Supported on ZrO ₂ Modified Al ₂ O ₃ Catalyst	Venkateshwarlu Kandukuri, Kalpana Manda, Hari Padmasri Aytam and Chandrasekhar Vasam	Asian Journal of Chemistry 35 (10), (2023) 2481-2486; ISSN: 0970-7077
8	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
9	Photocatalytic Degradation of Acid Blue and Brilliant Yellow Dyes in Visible Light: A Comparative Study	Vasantha Amrutha, Vijayalaxmi Burri,	IOSR Journal of Applied Chemistry (IOSR-JAC) 16 (9) Ser. I (2023)01-09; e-

	over Nano TiO ₂ and La ₂ O ₃ -TiO ₂ Nano Composites	Sajeeda Mohammed, Ravali Bingi, Venkatesham Kothabai, Padma Bukya and Hari Padmasri Aytam	ISSN: 2278-5736.
10	Visible and Solar Light Degradation of Ciprofloxacin and Norfloxacin using Titania Nanocomposite	M. Vijayatha, B. Vijayalaxmi, Md. Sajeeda, , B. Ravali , K. Venkatesham, M. Kalpana , B. Padma And A. Hari Padmasri,	Asian Journal of Chemistry; Vol. 35, No. 9 (2023), 2275-2284; ISSN: 0970-7077
11	Methane conversion to H ₂ and carbon nanofibers over supported Ni catalysts: A sustainable process through utilization of deactivated catalysts	Kalpana Manda, Manasa Kandula, Hari Padmasri Aytam, Pratyay Basak, V S Sarma Akella, Venugopal Akula	Environ Prog Sustainable Energy (2023) e14222. ISSN:1944-7442 IF: 2.797
12	Rutile TiO ₂ a desirable support for Ni catalyst in the synthesis of γ -valerolactone: Influence of titania crystal phase on the product distribution	Shirisha Varimalla, Sasikumar Boggala, Kalpana Manda, Hari Padmasri Aytam, Venugopal Akula	Applied Catalysis A, General 662 (2023) 119282 ISSN: 0926-860; IF = 5.723
13	Synthesis of 2-Methylpyrazine Using Crude Glycerol over Zn-Cr-O Catalyst: A Value Addition Process for the Utilization of Biodiesel By-Product	Reema Sarkari , Kotesk Kumar Mandari , Sudhakar Medak , Kishore Ramineni, Hari Padmasri Aytam,* and Venugopal Akula	Catalysts 2023, 13, 318 ISSN: 2073-4344 IF: 3.9
14	Sulphonated Ti-MCM41: A Potential Catalyst for the Transformation of Bio-Glycerol to Solketal	Balakrishna Matkala, Sasikumar Boggala , Yadaiah Salwadi, Hari Padmasri Aytam*	IOSR Journal of Applied Chemistry (IOSR-JAC) 1 (2023) 01-10; e-ISSN: 2278-5736
15	Effect of precipitating agents on activity of co-precipitated Cu–MgO catalysts towards selective furfural hydrogenation and cyclohexanol dehydrogenation reactions	Komal N. Patil, P. Manikanta, Rohith Rangnath Nikam, Puneethkumar M. Srinivasappa,	Results in Engineering 17 (2023) 100851; ISSN: 25901230 IF:4.059 Citations: 5

		Arvind H. Jadhav, Hari Padmasri Aytam, Kamaraju Seetha Rama Rao, Bhari Mallanna Nagaraja	
16	Rice husk ash derived SiO ₂ for template free synthesis of H-ZSM-5 support for Ni catalyst: Investigation on non-oxidative CH ₄ cracking for clean H ₂ production.	Manasa Kandula, Naresh Gutta, Kalpana Manda, Vijayanand Perupogu, Hari Padmasri Aytam*, Venugopal Akula*.	Catalysis Surveys from Asia 36(2) 2022 ISSN: 1571-1013; IF = 2.964 Citations: 6
17	Evaluation of in-situ formed La ₂ O ₃ -TiO ₂ -La ₂ O ₂ CO ₃ nanocomposite photocatalyst for H ₂ production	Kotesk Kumar Mandari, Hari Padmasri Aytam*, Shirisha Varimalla, Vijay Kumar Velisoju, Venugopal Akula	International Journal of Hydrogen Energy 47 (2022) 17214-17223; ISSN: 0360-3199; IF = 7.139 Citations: 6
18	Photocatalytic Degradation of Acid Alizarin – Violet N Dye in Visible Light over Nano TiO ₂ and Ag-doped Nano TiO ₂ Catalysts	B. Vijayalaxmi, Mamathasri, Ch.Vijayatha and A. Hari Padmasri*	IOSR Journal of Applied Chemistry (IOSR-JAC) 15 (2022) 1-6. e-ISSN: 2278-5736
19	Influence of surface Lewis acid sites for the selective hydrogenation of levulinic acid to γ -valerolactone over Ni–Cu–Al mixed oxide catalyst	<u>Rambabu</u> <u>Gundeboina, Vijay</u> <u>Kumar Velisoju,</u> <u>Naresh Gutta,</u> <u>Sudhakar Medak,</u> Hari Padmasri Aytam*	Reac Kinet Mech Cat., 127 (2019) 601, ISSN 1878-5190; IF = 1.843 Citations: 10
20	Ni-Al-Ti Hydrotalcite Based Catalyst for the Selective Hydrogenation of Biomass-Derived Levulinic Acid to γ -Valerolactone	Rambabu Gundeboina, Suresh Gadasandula, Vijay Kumar Velisoju, Naresh Gutta, Laxma Reddy Kotha, Hari Padmasri Aytam*	Chemistry Select 4(2019) (1), 202-210; ISSN: 2365-6549; IF = 2.307 Citations: 20
21	Zn-Modified CuCr ₂ O ₄ as Stable and Active Catalyst for the Synthesis of 2,6-Dimethylpyrazine: Valorization of Crude Glycerol Obtained from a Biodiesel Plant	Krishna Vankudoth, Vijay Kumar Velisoju, Naresh Gutta, Naveen Kumar	Industrial & Engineering Chemistry Research 56 (2017) (41), 11664-11671; ISSN: 0888-5885; IF = 3.72

		Sathu, Hari Padmasri Aytam, Sreedhar Inkollu, Venugopal Akula	Citations: 4
22	CuCr ₂ O ₄ derived by the sol–gel method as a highly active and selective catalyst for the conversion of glycerol to 2, 6-dimethylpyrazine: a benign and eco-friendly process.	K Vankudoth, N Gutta, VK Velisoju, S Mutyala, Hari Padmasri Aytam, V Akula	Catalysis Science & Technology 7 (2017) (15), 3399-3407; ISSN: 2044- 4761; IF = 6.177 Citations: 18
23	Studies on dehydrogenation of cyclohexanol to cyclohexanone over mesoporous SiO ₂ supported copper catalysts	B Sridevi, P Nagaiah, A H Padmasri, B David Raju K S Rama Rao	Journal of Chemical Sciences 129 (5)(2017) 601-608; ISSN: 0974-3626; IF = 2.150 Citations: 14
24	Role of Lewis acid-base pair sites on ZnO-ZnCr ₂ O ₄ catalyst for the cyclization by a dehydrogenative condensation of crude glycerol and 1,2-propanediamine for the synthesis of 2,6-dimethylpyrazine	A Venugopal, V Krishna, A Hari Padmasri, Reema Sarkari V Vijay Kumar, G Naresh, S Naveen, Ch Rohitha	New Journal of Chemistry 41 (2017) (18), 9875- 9883, ISSN: 1144-0546; IF = 3.591 Citations: 12
25	Alkali promoted Cu-Cr- O catalyst for the dehydrocyclization of crude glycerol and 1,2-propanediamine: Effect of thermal treatment on the activity and product selectivity	Vankudoth Krishna, Gutta Naresh, Sathu Naveen Kumar, Jorge Beltramini, Aytam Hari Padmasri and Akula Venugopal *	Current Catalysis 6 (2017) 1-9, ISSN: 2211-5447;
26	Preparation, characterization and photocatalytic studies of Cu ²⁺ , Sn ²⁺ and N ³⁻ -substituted K ₅ Sb ₅ P ₂ O ₂₀	Ch Sudhakar Reddy, Sreenu K, J R Reddy, A Hari Padmasri, Ravi Gundeboina and M Vithal	Journal of Chemical Sciences 128 (2016) (4) 663-670; ISSN: 0974-3626; IF = 1.573 Citations: 8

27	Synthesis of 2,6-dimethylpyrazine by dehydrocyclization of aqueous glycerol and 1,2-propanediamine over Cu-Cr-O catalyst: Rationalization of active sites by pyridine and formic acid adsorbed IR studies.	V. Krishna, G. Naresh, V. Vijay Kumar, R. Sarkari, A. Hari Padmasri and Akula Venugopal	Applied Catalysis B: Environmental 193 (2016) 58-66; ISSN: 0926-3373; IF = 24.319 Citations: 28
28	Ni/H-ZSM5 as a stable and promising catalyst for CO _x free H ₂ production by CH ₄ decomposition	Ch. Anjaneyulu, G. Naresh, V. Vijay Kumar, A. Hari Padmasri and A. Venugopal	RSC Advances 6 (2016) 34600-34607. ISSN: 2046-2069; IF = 4.036 Citations: 12
29	Thermal effects on ZnO-ZnCr ₂ O ₄ catalyst for dehydrocyclization of crude glycerol and ethylenediamine: Relationship between particle size and product selectivity	Reema Sarkari, Vankudoth Krishna, Medak Sudhakar, Tumula Venkateshwar Rao, Aytam Hari Padmasri, Darbha Srinivas and Akula Venugopal	Kinetics and Catalysis 57(5) (2016) 602-609. ISSN: 1878-5190; IF = 1.03 Citations: 5
30	An investigation on the influence of support type for Ni catalysed vapour phase hydrogenation of aqueous levulinic acid to g-valerolactone	Velisoju Vijay Kumar, Gutta Naresh, Medak Sudhakar, Chatla Anjaneyulu, Suresh Kumar Bhargava, James Tardio, Vanga Karnakar Reddy, Aytam Hari Padmasri and Akula Venugopal	RSC Adv., 2016, 6, 9872; ISSN: 2046-2069; IF = 4.036 Citations: 6
31	Chemo- and regioselective head-to-tail heterodimerization of vinylarenes with 1,1-diphenylethene over a heterogeneous catalyst (Sn β zeolite)	Naresh Mameda, Swamy Peraka, Srujana Kodumuri, Durgaiah Chevella, Mahender Reddy Marri, Hari Padmasri Aytam and Narendra Nama	RSC Adv., 2016, 6, 1296-1300; ISSN: 2046-2069; IF = 4.03 Citations: 4
32	Crude bio-glycerol as a hydrogen source for the selective hydrogenation of aromatic nitro compounds over Ru/MgLaO	Medak Sudhakar, Gutta Naresh, Gundeboina Rambabu, Chatla	Catalysis Communications 74 (2016) 91-94, ISSN:1566-7367; IF = 3.510

	catalyst	Anjaneyulu, Aytam Hari Padmasri, Mannepalli Lakshmi Kantam, Akula Venugopal	Citations: 17
33	Solar water-splitting with the defect pyrochlore type of oxides $\text{KFe}_{0.33}\text{W}_{1.67}\text{O}_6$ and $\text{Sn}_{0.5}\text{Fe}_{0.33}\text{W}_{1.67}\text{O}_6 \cdot x\text{H}_2\text{O}$	G. Ravi, P. Suresh, V. Naveen Kumar, J R Reddy, A. Hari Padmasri, M. Vithal	International Journal of Hydrogen Energy 39(28)(2014) 15352; ISSN: 0360-3199; IF = 7.139
34	Bio-glycerol utilization: Synthesis of 2,6-dimethylpyrazine over $\text{M}_x\text{O}_y\text{-MCr}_2\text{O}_4$ (M = Mg, Fe, Co, Ni, Cu and Zn) catalysts	V. Krishna, S Naveen Kumar, S. Reema, A Hari Padmasri, K.V.R. Chary, A. Venugopal	Applied Catalysis A: General 488 (2014) 275; ISSN: 0926-860; IF = 5.723 Citations: 13
35	Synthesis and characterization of Pt supported on $\text{Fe}_5(\text{PO}_4)_3(\text{OH})_5$ catalysts	P Anil Kumar, A Hari Padmasri, S Naveen Kumar, A Venugopal, & Sooboo Singh	Indian Journal of Chemistry 53A (2014) 566; ISSN: 0376-4710; IF = 0.491
36	Selective CO oxidation over $\text{Fe}_5(\text{PO}_4)_3(\text{OH})_5$ supported Pt catalyst: Kinetic and mechanistic studies	A Hari Padmasri, P Anil Kumar, S Naveen Kumar, A Venugopal & Sooboo Singh	Indian Journal of Chemistry 53A (2014) 511; ISSN: 0376-4710; IF = 0.491 Citations: 2
37	Effective utilization of glycerol for the synthesis of 2-methylpyrazine over $\text{ZnO-ZnCr}_2\text{O}_4$ catalyst	A. Venugopal, R.Sarkari, S.Naveen Kumar, M.Kotesk Kumar, S.Syed John, J. Krishna Reddy, A. Hari Padmasri	J.Chem.Sci., 126 (2014) 387; ISSN: 0974-3626; IF = 2.150 Citations: 12
38	Influence of acid-base sites on $\text{ZnO-ZnCr}_2\text{O}_4$ catalyst during dehydrocyclization of aqueous glycerol and ethylenediamine for the synthesis of 2-methylpyrazine: Kinetic and mechanism studies	Akula Venugopal, Reema Sarkari, Chatla Anjaneyulu, Vanku doth Krishna, Mandari Kotesk Kumar, Nama Narender, Aytam Hari Padmasri	Applied Catalysis A: General 469 (2014) 398; ISSN: 0926-860; IF = 5.723 Citations: 53

39	Production of hydrogen through the coupling of dehydrogenation and hydrogenation or the synthesis of cyclohexanone and furfuryl alcohol over different promoters supported on Cu-MgO catalysts	Bhari Mallanna Nagaraja, Aytam Hari Padmasri, Burri David Raju, Kamaraju Seetha Rama Rao	Int. J. Hydrogen Energy, 36 (5) (2011)3417; ISSN: 0360-3199; IF = 7.139 Citations: 73
40	Low temperature steam reforming of bio-ethanol over Ni/CuO-Al ₂ O ₃ catalysts	A Venugopal, M Sudhakar, R Kishore, Reema Sarkari, J Ashok, F B Noronha, SM de Lima and A Hari Padmasri	Int. J. Nanotechnol., 7 (2010) 1188. ISSN: 1475-7435; IF = 1.144 Citations: 3
41	Role of promoters on highly active nano-Ru catalyst supported on Mg-Al hydrotalcite precursor for the synthesis of ammonia	P. Seetharamulu, K. Hari Prasad Reddy, A.H. Padmasri, K.S. Rama Rao, B. David Raju.	Catal. Today, 141 (2009) 94. ISSN: 0920-5861; IF = 6.562 Citations: 29
42	Novel and efficient cobalt encapsulated SBA-15 catalysts for the selective oxidation of cyclohexane.	S. Sreevardhan Reddy, B. David Raju, A.H. Padmasri, P.K.Sai Prakash, K.S.Rama Rao	Catal. Today, 141 (2009) 61. ISSN: 0920-5861; IF = 6.562 Citations: 58
43	A highly active Cu-MgO-Cr ₂ O ₃ catalyst for simultaneous synthesis of furfuryl alcohol and cyclohexanone by a novel coupling route – combination of furfural hydrogenation and cyclohexanol dehydrogenation	B.M. Nagaraja, A.H. Padmasri, P. Seetharamulu, K. Hari Prasad Reddy, B. David Raju and K.S. Rama Rao	J. Mol. Catal. A: Chemical 278 (2007) 29. ISSN: 1381-1169; IF = 5.089 Citations: 139
44	Advantage of nano silver-carbon covered alumina catalyst prepared by electrochemical method for drinking water purification	V. Shashikala, V. Siva Kumar, A.H. Padmasri, B. David Raju, S. Venkata Mohan, P. Nageswara Sarma and K. S. Rama Rao	J. Mol. Catal. A: Chemical 268 (2007) 95; ISSN: 1381-1169; IF = 5.089 Citations: 58
45	Vapor Phase Selective Hydrogenation of Furfural to Furfuryl alcohol over Cu-MgO Co-precipitated Catalysts.	B. M. Nagaraja, A. H. Padmasri, B. David Raju and K.S. Rama Rao	J. Mol. Catal. A: Chemical 265 (2007) 90; ISSN: 1381-1169; IF = 5.089 Citations: 304

46	Role of CO/CO ₂ co-feeding in the dehydrogenation of cyclohexanol to cyclohexanone over Cu-ZnO based catalysts	V. Siva Kumar, S. Sreevardhan Reddy, A.H. Padmasri, B. David Raju, I. Ajit Kumar Reddy and K.S. Rama Rao,	Catalysis Communications 8 (2007) 899; ISSN:1566-7367; IF = 3.510 Citations: 16
47	Beneficial role of SiO ₂ plugging in AlCl ₃ heterogenized plugged hexagonal templated silica (PHTS) for the isopropylation of m-cresol.	S. Sreevardhan Reddy, V. Siva Kumar, A. H. Padmasri, C. V. V. Satyanarayana, B. David Raju and K. S. Rama Rao	Catalysis Communications 8 (2007) 1080; ISSN: 1566-7367; IF = 3.510 Citations: 26
48	A highly active nano Ru catalyst supported on novel Mg-Al hydrotalcite precursor for the synthesis of ammonia.	P. Seetharamulu, V. Siva Kumar, A.H. Padmasri, B.David Raju and K.S. Rama Rao	J. Mol. Catal. A: Chemical 265 (2007) 253; ISSN: 1381-1169; IF = 5.089 Citations: 76
49	Sulfonic acid functionalized mesoporous SBA-15 for selective synthesis of 4-phenyl-1, 3-dioxane.	S. Sreevardhan Reddy, B. David Raju, V. Siva Kumar, A. H. Padmasri, S. Narayanan and K.S. Rama Rao	Catalysis Communications 8 (2007) 261; ISSN:1566-7367; IF = 3.510 Citations: 73
50	Nature and mode of addition of phosphate precursor in the synthesis of aluminum phosphate and its influence on methanol dehydration to dimethyl ether.	V. Siva Kumar, A.H. Padmasri, C.V.V. Satyanarayana, I. Ajit Kumar Reddy, B. David Raju and K.S. Rama Rao,	Catalysis Communications 7 (2006) 745; ISSN: 1566-7367; IF = 3.510 Citations: 74
51	Effect of Method of Preparation of Copper – Magnesium Oxide Catalyst on the Dehydrogenation of Cyclohexanol.	B. M. Nagaraja, V. Siva Kumar, V. Shashikala, A. H. Padmasri, B. David Raju and K.S. Rama Rao,	J. Mol.Catal. A 223 (2004) 339. ISSN: 1381-1169; IF = 5.089 Citations: 73
52	Role of hydrotalcite precursors as supports for Pd catalysts in hydrodechlorination of CCl ₂ F ₂ .	A.H. Padmasri, A. Venugopal, V. Siva Kumar, V. Shashikala, B.M. Nagaraja, P. Seetharamulu, B. Sreedhar, B. David	J. Mol.Catal. A 223 (2004) 329. ISSN: 1381-1169; IF = 5.089

		Raju, P. Kanta Rao and K.S. Rama Rao	
53	Highly efficient Ag/C catalyst prepared by electrochemical deposition method in controlling microorganism in water.	V. Siva Kumar, B.M. Nagaraja, V. Shashikala, A.H. Padmasri, M. Shakuntala Madhavendra, B. David Raju and K.S.Rama Rao	J. Mol.Catal. A 223 (2004) 313. ISSN: 1381-1169; IF = 5.089 Citations: 184
54	Role of acidic and basic sites of Al ₂ O ₃ in predicting the reaction pathway of Isophorone transformation.	V. Siva Kumar, B.M. Nagaraja, V. Shashikala, P. Seetharamulu, A.H. Padmasri, B. David Raju and K.S. Rama Rao	J. Mol.Catal. A 223 (2004) 283. ISSN: 1381-1169; IF = 5.089
55	Promotional effect of magnesia addition to active carbon supported Pd catalysts on the characteristics and hydrodechlorination activity of CCl ₂ F ₂ .	J. Krishna Murthy, S. Chandra Shekar, A.H. Padmasri, A. Venugopal, V. Siva Kumar, B.M. Nagaraja, V. Shashikala, B. David Raju, P. Kanta Rao and K.S. Rama Rao,	Catalysis Communications 5 (2004) 161. ISSN: 1566-7367; IF = 3.510
56	Transformation of chlorofluorocarbons through catalytic hydrodehalogenation.	P. Kanta Rao, K.S. Rama Rao and A. Hari Padmasri,	Cat. Tech. 7 (2003) 218; ISSN: 1384-6566;
57	A highly efficient Cu/MgO catalyst for vapour phase hydrogenation of furfural to furfuryl alcohol.	B.M. Nagaraja, V. Siva Kumar, V. Shashikala, A.H. Padmasri, B. Sreedhar, B. David Raju and K.S. Rama Rao	Catalysis Communications 4 (2003) 287-293; ISSN: 1566-7367; IF = 3.510 Citations: 253
58	Calcined Mg-Al, Mg-Cr and Zn-Al hydrotalcite catalysts for tert-butylation of phenol with isobutanol – a comparative study	A.H. Padmasri, A. Venugopal, V. Durga Kumari, K.S. Rama Rao and P. Kanta Rao	J. Mol. Catal. A: Chemical 188 (2002) 255; ISSN: 1381-1169; IF = 5.089 Citations: 70
59	Characterization and Reactivity of Pd/MgO and Pd/ γ -Al ₂ O ₃ Catalysts in the Selective Hydrogenolysis of CCl ₂ F ₂ .	A.H. Padmasri, A. Venugopal, J. Krishnamurthy, K.S. Rama Rao, P.	J. Phys. Chem. B 106 (2002) 1024; ISSN: 1520-6106; IF = 3.466

		Kanta Rao, G.Kishan and J.W. Niemantsverdriet	
60	Novel calcined Mg-Cr hydrotalcite supported Pd catalysts for the hydrogenolysis of CCl_2F_2 .	A.H. Padmasri, A. Venugopal, J. Krishnamurthy, K.S. Rama Rao and P. Kanta Rao,	J. Mol. Catal. A: Chemical 181 (2002) 73.ISSN: 1381-1169; IF = 5.089
61	Vapor phase esterification of carboxylic acids with primary and secondary alcohols over $\text{H}\beta$, HZSM-5, HY, DHY and $\gamma\text{-Al}_2\text{O}_3$: An eco-friendly route	Preeti Srivastava, A.H. Padmasri, Anita Rachel, V. Durgakumari and P. Kanta Rao,	Stud. Surf. Sci. Catal., 113 (1998) 759; ISBN 13: 978-0-444-82920-7; IF = 1.20
62	Tert-butylation of phenol with isobutanol over calcined magnesium-aluminium hydrotalcites	A.H. Padmasri, V. Durgakumari and P. Kanta Rao,	Stud. Surf. Sci. Catal., 113 (1998) 563; ISBN 13: 978-0-444-82920-7; IF = 1.20

Patents Filed as Co-Inventor:

1. A process for in-situ deposition of silver on activated carbon using low voltage current useful in controlling microorganism in water.
V. Siva Kumar, **A.H. Padmasri**, P. Venkateswara Rao, B. David Raju, K.S. Rama Rao and K.V. Raghavan. **Patent filed in India. IN 1055/DEL/03; Granted**
2. A Vapor phase catalytic process for simultaneous furfural hydrogenation and cyclohexanol dehydrogenation
K.S. Rama Rao, B. David Raju, S. Narayanan, B.M. Nagaraja, A.H. Padmasri, V. Siva Kumar, V. Shashikala, P. Seetharamulu and S. Sreevardhan Reddy **US 7,015,359 B1, 2006 ; filed 21/03/20 06; Granted**
3. A Vapor phase catalytic process for simultaneous furfural hydrogenation and cyclohexanol dehydrogenation
K.S. Rama Rao, B. David Raju, S. Narayanan, B.M. Nagaraja, A.H. Padmasri, V. Siva Kumar, V. Shashikala, P. Seetharamulu and S. Sreevardhan Reddy **IN2005016 61- I1; filed 11/05/20 07; Granted**
4. Process for the preparation silver deposited on carbon covered alumina catalyst
K.S. Rama Rao, B. David Raju, A.H. Padmasri, V. Siva Kumar, V. Shashikala, P. Seetharamulu, B.M. Nagaraja, S. Sreevardhan Reddy, A. Naga Ratnakar, S. Venkatamohan, P.N. Sharma and Krishnaprasad **US 20060254989; file 16/11/20 06; Granted**
5. Process for the preparation silver deposited on carbon covered alumina catalyst
K.S. Rama Rao, B. David Raju, A.H. Padmasri, V. Siva Kumar, V. Shashikala, P. Seetharamulu, B.M. Nagaraja, S. Sreevardhan Reddy, A. Naga Ratnakar, S. Venkatamohan, P.N. Sharma and Krishnaprasad

IN2005007 95- I1; filed 19/06/20 09; Granted

6. A process for the preparation of highly efficient carbon supported activated alumina adsorbent for removal of fluoride ion from water.
K.S. Rama Rao, V. Shashikala, A.H. Padmasri, B. David Raju, V. Sivakumar, B.M. Nagaraja, P. Seetharamulu, S. Sreevardhan Reddy, U.C. Kulshreshta and K.V.R. Chary
US 20070210004; filed 13/09/2007; Granted
7. Novel carbon supported activated alumina absorbent useful for the removal of fluoride ions from water and a process for the preparation thereof
K.S. Rama Rao, V. Shashikala, A.H. Padmasri, B. David Raju, V. Sivakumar, B.M. Nagaraja, P. Seetharamulu, S. Sreevardhan Reddy, U.C. Kulshreshta and K.V.R. Chary
IN 657/DEL/20 06; filed 07/06/2013; Granted

Book Chapters:

Two Book Chapters in **Stud. Surf. Sci. Catal., 113 (1998); ISBN 13: 978-0-444-82920-7; IF = 0.698** on Recent Advances In Basic and Applied Aspects of Industrial Catalysis, Proceedings of 13th National Symposium and Silver Jubilee Symposium of Catalysis of India, *T.S.R. Prasada Rao and G. Murali Dhar (Eds.)*

1. Tert-butylation of phenol with isobutanol over calcined magnesium-aluminium hydrotalcites.
A.H. Padmasri, V. Durgakumari and P. Kanta Rao, pp.563
2. Vapor phase esterification of carboxylic acids with primary and secondary alcohols over Hb, HZSM-5, HY, DHY and g-Al₂O₃: An eco-friendly route.
Preeti Srivastava, A.H. Padmasri, Anita Rachel, V. Durgakumari and P. Kanta Rao, pp. 759
3. One of the authors as well as Editor of B.Sc II yr Chemistry text book by Divya Lakshmi Publishers & Distributors Meerut (U.P.) (2022) ISBN:978-93-91576-20-2
A. Hari Padmasri, G. Pranitha, K. Saritha Rani, Rafiya Sultana, B. Rajini; Edited by Dr. A. Hari Padmasri
4. **Design and Application of Hydroxyapatite-based Catalysts** edited by Doan Pham Minh, Wiley-VCH, GmbH, Germany, 2022, ISBN: 978-3-527-34849-7
"Chapter 7. Selective hydrogenation and dehydrogenation using hydroxyapatite-based catalysts".
Vijay K. Velisoju, **Hari Padmasri Aytam**, Venugopal Akula

Papers presented in International/National Symposia:

1. Tert-butylation of phenol with iso-butanol over calcined magnesium-aluminium Hydrotalcites.
A.H. Padmasri, V. Durga Kumari and P. Kanta Rao
Presented at the 13th National Symposium on Catalysis held at IIP, Dehradun, India in 1997.
2. Tert-butylation of phenol with iso-butanol over calcined Mg-Al, Mg-Cr and Zn-Al hydrotalcite catalysts – A comparative study.
A.H. Padmasri, V. Durga Kumari and P. Kanta Rao
Presented at the 14th National Symposium on Catalysis held at Anna University, Chennai, India in 1998.
3. Novel calcined Mg-Cr hydrotalcite supported Pd catalysts for the hydrogenolysis of CCl₂F₂.
A.H. Padmasri, A. Venugopal, J. Krishnamurthy, K.S. Rama Rao and P. Kanta Rao
Presented in the 2nd Indo-pacific symposium on catalysis and 15th National Symposium on catalysis held at NCL, Pune in December, 2000.
4. Application of Ag nano-particles in controlling micro-organisms in water.
V. Siva Kumar, J. Krishna Murthy, A.H. Padmasri, P. Venkateswara Rao, B. David Raju, K.S. Rama Rao, Ch. Siva Rama Krishna and Y. Anjaneyulu,
Presented in the International Conference on Industrial Pollution and Control Technologies held at JNTU, Hyderabad in December, 2001.
5. Effect of Method of Preparation of Copper – Magnesium Oxide Catalyst on the Dehydrogenation of Cyclohexanol.
B.M. Nagaraja, V. Siva Kumar, V. Shashikala, A. H. Padmasri, S. Sreevardhan Reddy, B. David Raju and K.S. Rama Rao
Presented at the 1st Indo-German symposium on Catalysis and 16th National Symposium on Catalysis held at IICT, Hyderabad, India in February, 2003.
6. Role of acidic and basic sites of Al₂O₃ in predicting the reaction pathway of Isophorone transformation.
V. Siva Kumar, B.M. Nagaraja, V. Shashikala, P. Seetharamulu, A.H. Padmasri, B. David Raju and K.S. Rama Rao.
Presented at the 1st Indo-German symposium on Catalysis and 16th National Symposium on Catalysis held at IICT, Hyderabad, India in February, 2003.
7. Highly efficient Ag/C catalyst prepared by electrochemical deposition method in controlling microorganism in water.
V. Siva Kumar, B.M. Nagaraja, V. Shashikala, A.H. Padmasri, M. Shakuntala Madhavendra, B. David Raju and K.S. Rama Rao
Presented at the 1st Indo-German symposium on Catalysis and 16th National Symposium on Catalysis held at IICT, Hyderabad, India in February, 2003.
8. Advantage of hydrotalcite precursors as supports for Pd catalysts in hydrodechlorination of CCl₂F₂.
*A.H. Padmasri, A. Venugopal, V. Siva Kumar, V. Shashikala, B.M. Nagaraja, P. Seetharamulu, B. Sreedhar, B. David Raju, P. Kanta Rao and K.S. Rama Rao**
Presented at the 1st Indo-German symposium on Catalysis and 16th National Symposium on Catalysis held at IICT, Hyderabad, India in February, 2003.

9. Promotional Effect of Ru to Pd / MgO Catalyst in the Hydrodechlorination of CCl_2F_2 .
A. H. Padmasri, A. Venugopal, V. Siva Kumar, B. David Raju, P. Kanta Rao and K.S.RamaRao
Presented at UGC sponsored National symposium on “Emerging Research Trends & Development in chemistry” held at Kakatiya University, Warangal, India in 2003.
10. Development of Methanol dehydration component of hybrid catalyst in Dimethyl ether synthesis from syngas.
V. Siva Kumar, B.M. Nagaraja, **A.H. Padmasri**, B. David Raju, K.S. Rama Rao and I. Ajit Kumar Reddy
Presented at UGC sponsored National symposium on “Emerging Research Trends & Development in chemistry” held at Kakatiya University, Warangal, India in 2003.
11. Ru promoted Pd/MgO catalysts for the selective synthesis of CH_2F_2 by the hydrogenolysis of CCl_2F_2 .
A.H. Padmasri, A. Venugopal, P. Seetharamulu, P. Kanta Rao and K.S. Rama Rao
Presented at the 17th National Symposium on Catalysis held at CSMCRI, Bhavanagar, Gujarat, India in February, 2005.
12. Synthesis of Furfuryl alcohol by coupling of cyclohexanol dehydrogenation with the hydrogenation of Furfural-a hydrogen economy route
B.M. Nagaraja, P. Seetharamulu, **A. H. Padmasri**, S. Narayanan and K.S. Rama Rao
Presented at 18th National workshop on catalysis held at BHU, Varanasi, India in February, 2006.
13. Hydrogen economy in the control of micro-organisms in the water using highly efficient nano silver deposited by novel electro-chemical method over carbon covered alumina (CCA).
V. Shashikala, V. Siva Kumar, P. Seetharamulu, **A.H. Padmasri** and K.S. Rama Rao
Presented at 18th National workshop on catalysis held at BHU, Varanasi, India in February, 2006.
14. Novel approach for the synthesis of methanol by coupling CO_x hydrogenation with Cyclohexanol dehydrogenation-hydrogen economy route.
V. Siva Kumar, **A. H. Padmasri**, I. Ajit Kumar Reddy¹ and K. S. Rama Rao
Presented at 18th National workshop on catalysis held at BHU, Varanasi, India in February, 2006.
15. Nano Gold & Cobalt Encapsulated SBA - 15 Catalysts for the Selective Oxidation of Cyclohexane
A. Hari Padmasri, S. Sreevardhan Reddy, B. David Raju and K.S. Rama Rao.
Presented at National Conference on Recent Advances in Chemical Research (NCRACR – 2009), held at Osmania University, Hyderabad during 6th and 7th February 2009.
16. “Selective CO oxidation over $\text{Fe}_5(\text{PO}_4)_2(\text{OH})_5$ supported Pt catalyst – kinetic and mechanistic study” in the 21st National symposium on Catalysis CATSYMP-21 held at IICT, Hyderabad, February 11th -13th 2013.
17. A paper entitled “Ni Supported on Modified CeO_2 for Steam Reforming of Bio-Glycerol for the production of hydrogen” was presented at 7th International Symposium on Feedstock Recycling of Polymeric Materials at New Delhi from 23-26th October 2013.
18. Presented a poster in the national seminar on “Advance Spectro-Analytical Techniques” (ASAT – 2014) organized by Dept. of Chemistry, Loyola Academy Degree & P.G. College, Hyderabad from 11-12th September 2014.

19. Presented a poster entitled "Synthesis and characterization of hydrotalcite derived nano Ni: Potential catalysts for CO methanation" in the national XXXIII Annual Conference of ICC held at Dept. of Applied Chemistry, ISMB, Dhanbad from 15-17th December 2014.
20. Presented a poster entitled "Nano Ni/Mg-Al catalysts for enhanced low temperature CO methanation" in the one-day national seminar on "Emerging Trends and Challenges in Chemical Research" at the Dept. of Chemistry, Mahatma Gandhi University, Nalgonda on 14th February 2015.
21. Presented a poster entitled "Valorization of Agricultural Waste from Pulse Husk to Chemicals and Catalysts: A Concept of Waste to Wealth" in A Multidisciplinary Two day National Seminar on "Pulses-2016: Innovative Approaches for Sustainability in Production and Promotion of Utilization" on 21st and 22nd October 2016 at University College for Women, Koti, Hyderabad
22. Presented a poster entitled "Nano ZnO based Photocatalysts for the Degradation of Organic Dyes in Solar Light" in the National Poster Symposium: "Challenges in Organic/Medicinal Chemistry" for PhD Students organized by RSC-IDLS & Dept. of Chemistry, UCW, Koti on 2nd December 2016.
23. Presented a poster entitled "Photocatalytic Degradation of Brilliant Yellow Dye under Solar Light using Doped Nano ZnO Catalysts" in the International Conference of CONIAPS XX held at the dept. of Chemistry, UCS, OU from 14th – 16th July 2017.
24. Presented a poster entitled "Hydrotalcite derived non-noble metal catalysts for selective hydrogenation of levulinic acid at ambient pressure" in the International Conference On "Emerging Trends in Spectroscopic Techniques and their Applications" (etsta-2018) on 3rd & 4th December 2018 at University College for Women, Koti
25. Presented a poster entitled "Steam reforming of crude glycerol for the production of hydrogen over supported Ni catalysts" in UGC Sponsored Two Day National Seminar on "Advances in Chemical Research" organized by Kakatiya University, Warangal on 29th and 30th March 2019.
26. Presented a paper entitled "Ni-Al₂O₃ -TiO₂ hydrotalcite precursor as highly active and selective catalyst for vapour phase hydrogenation of levulinic acid: Synthesis, characterization and evaluation" in the National Symposium on Catalysis: ACIO-2019 (Advanced chemicals and Industrial outlook) organized by Catalysis & Fine Chemicals Division, CSIR – Indian Institute of Chemical Technology, Hyderabad from 2nd - 3rd August 2019.
27. Presented a paper entitled "Biomass Valorization: Transformation of Levulinic acid to γ -Valerolactone over Non-noble Nano Ni-hydrotalcite based catalyst" in Three day National Seminar on Science and Technology for Sustainable Development with Women Authorization" (STSD-2020) organized by Department of Chemistry, Satavahana University, Karimnagar, Telangana from 25th -27th February 2020.
28. Presented a paper entitled "Hydrotalcite Derived Nano Ni-Cu-Al Catalysts For The Effective Conversion Of Biomass Derived Levulinic Acid To γ -Valerolactone" in the International Conference on Material Science for Societal Advancement (MSSA-2020) organized by UPE-FAR, Osmania University from 20-22 Jan'20.
29. Presented a paper entitled "Nano Ni supported on Mg-Al Hydrotalcite Based Catalysts for the Production of Synthetic Natural Gas" in the International Conference on Material Science for Societal Advancement (MSSA-2020) organized by UPE-FAR, Osmania University from 20-22 Jan'20.

30. Presented a paper entitled “Solar & Visible Light Induced Photocatalytic degradation of Acid Alizarin VioletN over Nano TiO₂ based catalysts”
B Vijayalaxmi, M Vijayatha, Md Sajeeda, A Hari Padmasri* in the Annual conference Indian Council of Chemists -2021 organized by ICC & Department of Chemistry, Satavahana University, Karimnagar, Telangana from 29th -31st December 2021.
31. Presented a paper entitled “Effective Bioglycerol Conversion to Solketal over Sulphated Al-MCM 41 Catalysts”
M Balakrishna, A Vennela and A Hari Padmasri* in the Annual conference Indian Council of Chemists -2021 organized by ICC & Department of Chemistry, Satavahana University, Karimnagar, Telangana from 29th -31st December 2021
32. Presented a paper entitled “Sulphated Al-MCM 41 Catalysts for the Effective Conversion of Bioglycerol to Solketal”
M Balakrishna, Ch Swaroopa Yadaiah Salwadi and A Hari Padmasri * in the RUSA & TSCOST Sponsored Two Day National Seminar on “Emerging Trends in Chemical and Materials Science Research” (ETCMSR-2022). **Conducted on 25th & 26th February 2022** by SR&BGNR. Govt. Arts & Science College (Autonomous), Khammam..
33. Presented a paper entitled “Photocatalytic Degradation of 4-Chlorophenol in Visible and Solar light over Ag doped and Bi doped TiO₂ nanoparticles”
B Vijayalaxmi, M Vijayatha, Sajeeda Md, **A Hari Padmasri*** in the Two Days Virtual International Conference on "Chemical Advances For Sustainable Development CASD 2022" conducted on 12th & 13th April 2022 by University College for Women, Koti, Hyderabad.
34. Presented a paper entitled TiO₂ Nanocomposites: A Comparative Study with TiO₂ Nanoparticles Using Various Characterization Techniques
M.Vijayatha, B.Vijayalaxmi, Md. Sajeeda and **A. Hari Padmasri'** in the Two Days Virtual International Conference on "Chemical Advances For Sustainable Development CASD 2022" conducted on 12th & 13th April 2022 by University College for Women, Koti, Hyderabad.
35. Presented a paper entitled “Utilization of Nano TiO₂ based catalysts for the Photocatalytic Degradation of 4-Chlorophenol in Solar & Visible Light”
B Vijayalaxmi, A Vasantha, Ch Swaroopa, **A Hari Padmasri** in the Two Day International Seminar on Current Trends and Futuristic Challenges in Chemical Research” organized by Dept. of Chemistry, University College of Science, Osmania University on 29th and 30th July 2022.
36. Presented a paper entitled “Visible Light Induced Photocatalytic Degradation of Ciprofloxacin over TiO₂ Nanocomposites”
M Vijayatha, B Ravali , K Venkatesham, **A Hari Padmasri** in the Two Day International Seminar on Current Trends and Futuristic Challenges in Chemical Research” organized by Dept. of Chemistry, University College of Science, Osmania University on 29th and 30th July 2022.
37. Presented a paper entitled “Valorization of Bioglycerol: Synthesis of Solketal over Al-MCM-41”

- M.Balakrishna, S. Yadaiah, A. Vennela, **A.Hari Padmasri** in the Two Day International Seminar on Current Trends and Futuristic Challenges in Chemical Research” organized by Dept. of Chemistry, University College of Science, Osmania University on 29th and 30th July 2022.
38. Presented a paper entitled “La₂O₃-TiO₂ Nanocomposites: Synthesis, Characterization and Visible Light Induced Photocatalytic Activity”
A.Vasanth, B. Vijayalaxmi, K. Venkatesham, **A. Hari Padma Sri**, in National Conference on “Recent Advances in Green and Sustainable Chemical Sciences” on “Nano Catalysts: Strategic to Meet Sustainability Challenges” organized by Dept. of Chemistry, St. Pious UG & PG College for Women, Nacharam, Hyderabad on **20th January, 2023**.
 39. “Sulphated Ti-MCM-41:A Potential Catalyst for Bio-Glycerol Valorization to Solketal” Balakrishna Matkala, Sasikumar Boggala, Vennela Aluvala and **Hari Padmasri Aytam** in the National Conference on Recent Advances in Inorganic and Organometallic Chemistry (RADIOC)-2023 held on 24th & 25th February 2023 at NIT, Warangal, Telangana State.
 40. Titania Nano Composites as Efficient Catalysts for Visible Light Induced Degradation of Ciprofloxacin
M. Vijayatha, B. Ravali, K. Venkatesham, Ch. Swaroopa, **A. Hari Padmasri**
Two-day National Seminar on “Chemical Sciences in Sustainable Technology and Developments - Challenges & Opportunities” (CSSTDco-2023), held at Kanha Shantivanam, Shamshabad. 25th February, 2023 organized by Dept. of Chemistry, TSWRD&PGCW, Mahendrahills.
 41. Effect of methods of preparation of TiO₂ nanoparticles in the degradation of Acid alizarin violet n dye under the solar and visible light
B Vijayalaxmi, Md. Sajeeda, A. Vasanth, **A Hari Padmasri ***
Two-day National Seminar on “Chemical Sciences in Sustainable Technology and Developments - Challenges & Opportunities” (CSSTDco-2023), held at Kanha Shantivanam, Shamshabad. 25th February, 2023 organized by Dept. of Chemistry, TSWRD&PGCW, Mahendrahills.
 42. A poster presented on “La₂O₃-TiO₂ Nanocomposites: Photocatalysts for Organic Dye Degradation in Visible Light”
A. Vasanth, M. Vijayatha, B. Vijayalaxmi, K. Venkatesham, A. Hari Padmasri, in the National seminar on "Current Trends and Future Challenges in Chemical and Allied Sciences for Research (CTFCCASR -2023) organized on 27th and 28th July 2023 by Dept. of Chemistry, Govt. Degree College, Siddipet.
 43. Ultra sonication for the Enhanced Photocatalytic Activity of Bi, Ag-TiO₂ Nanoparticles

in the Degradation of Acid Alizarin Violet N dye under the Solar and Visible light.

B. Vijayalaxmi, M. Vijayatha, A. Vasantha, Ch. Swaroopa, Md. Sajeeda, K. Venkatesham, **A. Hari Padmasri**

Ist International Conference on RIST-2023 on 30th September 2023 organized and held at Dept. of Chemistry, University College of Science, Saifabad, OU.

44. Presented paper entitled “La-TiO₂ Nanocomposites: Photocatalysts for Visible Light Induced Degradation of Organic Dyes”
A. Vasantha, M. Vijayatha, B. Vijayalaxmi, K. Venkatesham, **A. Hari Padmasri**
in **International Conference on Emerging Semiconductor Materials and Applications (ICESMA)** during 8th - 10th March 2024 organized by CMET, Hyderabad.
45. Presented paper entitled “Valorization of Glycerol to Solketal, A Fuel Additive over Acidic Zeolites “
Yadaiah Salwadi, Venkatesham Kothabai, Vijayalaxmi Burri, Balakrishna Matkala Vennela Aluvala, Sasikumar Boggala and **Hari Padmasri Aytam**.
in **International Conference on Emerging Semiconductor Materials and Applications (ICESMA)** during 8th - 10th March 2024 organized by CMET, Hyderabad.
46. Presented paper entitled “Mⁿ⁺ doped TiO₂-PEG Nanocomposites: Efficient & Biocompatible Photocatalysts for the Degradation of Ciprofloxacin in Visible light”
A. Vijayatha, B. Vijayalakshmi, M. Vasantha, K. Venkatesham and **A. Hari Padmasri**
in International Seminar on “Emerging Interdisciplinary Horizons in Chemical Sciences” 19th and 20th March at Department of Chemistry, Govt. City College, Nayapul, Hyderabad.
47. Presented paper entitled “Sulphated Al/Ti-MCM-41 Catalysts: Role of Lewis Acidity Sites in the Effective Transformation of Glycerol to Solketal, a Fuel additive”
Balakrishna Matkala, Sasikumar Boggala, Swaroopa Chilkamarri, Hari Padmasri Aytam
in International Seminar on “Emerging Interdisciplinary Horizons in Chemical Sciences” 19th and 20th March at Department of Chemistry, Govt. City College, Nayapul, Hyderabad.
48. Presented paper entitled “La doped TiO₂ & ZnO nanocomposites for visible and solar light driven photocatalytic degradation of organic dye pollutants in water”
A. Vasantha, B. Vijayalaxmi, K. Venkatesham, **A. Hari Padmasri**
in International Seminar on “” March at Department of Physics, Govt. City College, Nayapul, Hyderabad.
49. Presented paper entitled “PEGylation aided TiO₂ and Mⁿ⁺-doped TiO₂ nanocomposites for the enhanced Photocatalytic degradation of Norfloxacin in solar and visible light”
M. Vijayatha, B. Vijayalaxmi and **A. Hari Padmasri**

in “Chemical Sciences in Sustainable Technology and Developments-Challenges & Opportunities-2024” on 26th & 27th April 2024 organized by Dept. of Chemistry, TSWRD & PG College for Women, Mahendrahills, Hyderabad.

- Memberships:**
1. Associate Fellow, Telangana Academy of Sciences
 2. Life Member of Catalysis Society of India.
 3. Life Member of Material Research Society of India (MRSI)
 4. Life Member of Indian Association of Chemistry Teachers.
 5. Life Member of Osmania University Chemistry Alumni Association
 6. Life Member of International Society of Teachers and Researchers in Chemistry (ISRTC) & Journal of Teaching and Research in Chemistry (JTRC)
 7. Life Member of Indian Council of Chemists (ICC)
 8. Life Member, Indian Science Congress Association

Registered guide of Osmania University-guiding 7 research students for Ph.D

4 PhDs awarded - One research scholar obtained Ph D in 2019 & other in 2023 under the guidance and one obtained PhD in 2018 under the co-guidance.

- Guided:**
1. M.Sc (Physical Chemistry) student of Nizam College, Osmania University for his dissertation thesis in 2004.
 2. M.Tech student of JNTU, Ananthapur for her dissertation thesis in 2005.
 3. Guided 4 M Sc students of Univ. College for Women for their dissertation work in 2012.
 4. Guided 2 M.Sc 5 Yr integrated chemistry students of Palamur University for their dissertation work in June 2022

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, 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 a Ph.D thesis from Bhartidasan university.

Completed two major and two minor research projects:

1. Completed the Project “Exploration of the gold nano particles: Synthesis, characterization and their applications in the Selective oxidation of methane to value added products.” Under *DST Award No: SR/WOS-A/CS-42/2005*
2. Completed the Project “Biomass to Syngas: Catalytic Cleanup” Funded by Department of Science & Technology under “India-Ireland Cooperative Science Programme” – a joint research project for FY 2011

3. Completed the project “Development of Nano Photo-Catalytic Materials for Efficient and Cost-Effective Utilization of Solar Energy in the Conversion of Renewable Alcohols to Hydrogen” funded by OU-DST-PURSE II Programme.
4. Completed project under OU-UGC-UPE-FAR entitled “Ni-Cu Hydrotalcite based Nanocomposites for the Catalytic Transformation of Biomass to Value Added Chemicals”.

Trainings and Other Programs Attended

List of Orientation/Refresher programs attended till date:

1. Orientation programme organized by Osmania University during June’07 at the Osmania University Center for International Programme (OUCIP)
- 2.. UGC sponsored orientation course organized during April-May’08 at University Grants Commission, Academic Staff College, O.U, Hyderabad.
3. Refresher course on “Recent Trends in Chemical Engineering” during 05-09-2011 to 24-09- 2011. organized by Dept. of Chemical Engineering at the University Grants Commission - Academic Staff College, JNTU, Hyderabad.
4. Refresher Course in Chemistry from July 2nd to July 22nd 2013 at Academic Staff College, O.U.
5. Short term course in Research Methodology from 15th December to 22nd December 2017 at UGCHRD Academic Staff College, OU.
6. One week Faculty Development Programme in Chemistry for UG Teachers: A Re-orientation to the Restructured CBCS Curriculum” organized by Department of Chemistry, OU under the guidance of UGC-HRDC Academic Staff College, OU from 13th December to 18th December 2018.
7. Online FDP-CRISP "CREATIVE RESEARCH AND INNOVATION IN SPECTROSCOPY" hosted by Dept. of Pharm. Analysis, Hindu College of Pharmacy, Guntur from 8th to 13th June 2020.
8. A Seven-Day National Webinar (FDP) on "ADVANCED CONCEPTS FOR DEVELOPING MOOCs" (Online Teaching, Learning & Assessment) organized by Department of Chemistry, OU College for Women, Koti, Hyderabad from 27th July to 2nd August 2020.
9. One-week online International FDP on "Traditional Classroom to Virtual Labs: Improvisation of Teaching & Learning Chemistry" on January 27, 2021 to February 2, 2021 organized by the Department of Chemistry, Anwarul Uloom College, New Mallepally, Hyderabad.
10. UGC sponsored One-Week Online Short Term Course on “Nanomaterial Characterization Techniques” from 04-01-2021 to 09-01-2021 organized by UGC-HRDC-JNTU, Hyderabad.

Other Activities:

- ★ Organized several International/National and state level symposia and workshops

- ★ Conducted various Innovative and skill oriented programmes for students and faculty members as coordinator, R & IP cell, at Univ. College for Women, koti, Hyd. since Dec'15 to July '17;
- ★ Was member, Placement Cell, Univ. College for Women from 2012 - 2016
- ★ Was member, BOS, UG, Dept. of Chemistry, O.U., till july 2017.
- ★ Member, BOS, Univ. College for Women
- ★ Controllor of Examinations. Univ. College for Women from March-April 2017 and
- ★ I/c Head, Dept of Chemistry, UCW from June-July 2017.
- ★ Was a Member, Departmental Committee, Dept. of Chemistry, O.U., since Nov.'15 to 2017.
- ★ Member BOS, Dept. of Chemistry, O.U. College of Engineering till 2017 & currently Member BOS, Dept. of Pharmacy, Telangana University.
- ★ Judge for the science projects presentation by school children at National level held at Jawahar Balbhavan, Hyderabad held in Jan'15
- ★ Was an Expert Member in the Evaluation Committee of teachers at St.Joseph's Public School, Kingkoti, Hyderabad in Jan'16.
- ★ Acted as a judge to some of Inter School Science exhibitions and competitions one including the recent state level competition conducted by SCERT, Govt. of Telangana.
- ★ Presently member, BOS for PG, Dept. of Chemistry, OU
- ★ Coordinated several activities viz., Quiz programmes, Poster presentations, Scientific writing etc., organized by the students of MSc Chemistry, Dept. of Chemistry, OU as Chem Carnival, a two day event for more than 500 students of UG & PG students of Chemistry under Osmania University in March, 2018; as Science Mania in November, 2018 for PG Students of OU affiliated colleges; National Periodic Table Day on 7th Feb'19 for High School students of twin cities and National Science Day on 26th Feb'19 under UPE-FAR programme for UG Students of constituent and affiliated Colleges under OU.
- ★ **“Sesquicentennial IYPT 2019”** on the 30th October 2019 organized under UGC-UPE-FAR as an outreach programme for UG & PG students of Chemistry of colleges under OU both constituent and affiliated. A motivational talk, quiz and e-poster competitions were conducted under this programme.
- ★ Participated/attended many national and international seminars and workshops
- ★ Conducted online quiz CHEMCOGNIZANCE in June 2020
- ★ Convened International webinar “Heterogeneous Catalysis: Rudiments & Industrial Relevance” on 13th July 2020.
- ★ Organized many other international and national webinars during 2020
- ★ Attended a number of international and national webinars during 2020-21.
- ★ Invited as the chief guest to address in the valedictory session of Two Day International Webinar on "Recent Advacnes in Chemical Sciences & Research (RACSR 2020) on 16th December 2020.
- ★ Visited as a subject expert for ratification of chemistry lecturers for UG & PG at Anwar-ul-uloom UG & PG College, Hyderabad in April 2022.

- ★ Presently the Placements Incharge and Faculty Student Coordinator for the Dept. of Chemistry, UCS, OU
- ★ Currently, a Member, BOS of UG, Osmania University, a Member of BOS, Dept. of Chemistry, Palamuru University and Member of BOS, Dept. of H&S, VBIT college of engineering and KG Reddy College of Engineering & Technology.
- ★ Presently, is a member of Departmental Committee, Dept. of Chemistry, OU, member of Women Cell & Quality Monitoring Cell, of College of Science & IQAC, OU.

Extension/Invited Lectures Delivered:

1. Extension Lectures were delivered on “**Thermodynamics**” to MSc (Pharmacoinformatics) Chemistry students at Nizam College during November 2011.
2. Extension Lectures were delivered on “**Thermodynamics**” to MSc (Pharmacoinformatics) Chemistry students at Nizam College during April 2012.
3. An invited talk was given on “**Innovation & Research Integral to Learning**” in the Two Day workshop conducted on **Two Day Workshop on CBCS – Quality Sustenance and Enhancement during March 31st & 1st 2016**
4. A Guest Lecture was given on “**Material Science**” at Vivek Vardhini College, Koti on the 24th March 2017.
5. Extension Lectures were delivered on “Types of Materials” to MSc Physical Chemistry students at PG Centre, Mirzapur in during November 2017.
6. Extension Lectures were delivered on “Types of Materials” to MSc Physical Chemistry students at PG Centre, Mirzapur in during November 2018.
7. Extension Lectures were delivered on “Principles of Spectroscopy” to MSc Physical Chemistry students at PG Centre, Mirzapur in during November 2018.
8. Delivered lectures in the practical sessions during the “Faculty Development Programme in Chemistry for UG Teachers: A Re-orientation to the Restructured CBCS Curriculum” on 13th and 15th December 2018 at the Dept. of Chemistry, UCS, OU.
9. Conducted practical session in physical chemistry for the PG teachers in the “Three Days Workshop on Pedagogy Teaching for PG Teachers in Chemistry at the Dept. of Chemistry, UCS, OU from 18th -20th March 2019.
10. Delivered extension lectures on “Phase transfer catalysis, Anchored catalysis and photocatalysis” to M.Sc Physical Chemistry students at PG centre, Mirzapur during April 2019.
11. Delivered extension lectures on “Surface Chemistry and Micellar Catalysis” to M.Sc Physical Chemistry students at Nizam College, Hyderabad during April-May 2019.
12. Delivered extension lectures on “Heterogeneous Catalysis” to M.Sc Physical Chemistry students at PG centre, Mirzapur during March/April 2020.
13. Delivered an invited talk in National Webinar talk on “Thermodynamics” on 23rd May 2020 for the Chemistry teachers and UG& PG students.

14. Delivered an invited lecture on "Photoelectron spectroscopy/XPS" in the e-symposium on "Absolute Basics in Analytical Techniques" organized by Dept. of Chemistry, Palamuru University, Mahbubnagar, Telangana on 23rd June 2020.
15. Extension Lectures were delivered on "Types of Materials" & "Principles of Spectroscopy" to MSc Physical Chemistry students at PG Centre, Mirzapur in during November – December 2020..
16. Delivered an invited webinar lecture on "Heterogeneous Catalysis for Sustainable Development" in the One Week On Line FDP for Chemistry Teachers on " Traditional Classroom to Virtual Labs: Improvisation of teaching and Learning Chemistry" i.e from 27th Jan - 2nd Feb- 2021organized by Anwar-ul-uloom PG College, Hyderabad on 30th Jan'21.
17. Delivered extension lectures on "Heterogeneous Catalysis" to M.Sc Physical Chemistry students at PG centre, Mirzapur during April/June 2021.
18. Delivered an invited online lecture on "Thermodynamics" to UG/PG students organized by Dept. of Chemistry, RBVRR College for Women, Narayanaguda, Hyderabad on 17th June 2021.
19. Delivered an invited webinar lecture on "Thermodynamics" in the Virtual Lecture Series on Basics in Chemistry to PG students on 23rd July 2021 organized by Dept. of Chemistry, Palamuru University, Mahbubnagar during 23rd – 26th July 2021.
20. Delivered an invited online lecture on "Nanomaterials" to UG/PG students organized by Dept. of Chemistry, St. Pious UG & PG College, Nacharam, Hyderabad on 1st September 2021.
21. Delivered an invited online lecture on "Nanomaterials" organized by Anwar-ul-uloom PG College, Hyderabad on 18th Nov' 2021.
22. Delivered an invited webinar lecture on "Essentials of Thermodynamics" to UG/PG students organized by Dept. of Chemistry, Govt. Degree College for Women, Begumpet, Hyderabad on 16th December 2021.
23. delivered a Lecture(s) in the Online Refresher Course in Nanobiochemistry and Bioinformatics organized by the UGC-HRDC (Academic Staff College), Osmania University, Hyderabad from 11.10.2022 to 24.10.2022 on the topic: Nano Catalysts: Strategic to Meet Sustainability Challenges on 18th October 2022.
24. Delivered an Extension lecture on "Thermodynamics" to UG & PG students Dept. of Chemistry, St. Pious UG & PG College for Women, Nacharam, Hyderabad on 4th November 2022.
25. Delivered an invited talk on "Report writing and Dissertation" to UG students of Dept. of Chemistry, St. Pious UG & PG College for Women, Nacharam, Hyderabad on 14th November 2022.
26. Delivered an invited talk as Distinguished Guest Speaker in National Conference on "Recent Advances in Green and Sustainable Chemical Sciences" on "Nano Catalysts:

Strategic to Meet Sustainability Challenges” organized by Dept. of Chemistry, St. Pious UG & PG College for Women, Nacharam, Hyderabad on 20th January, 2023.

27. Presented a paper entitled “La₂O₃ -TiO₂ Nanocomposites: Photocatalysts for Organic Dye Degradation in Visible Light”
A.Vasanth, M. Vijayatha , B. Vijayalaxmi , K. Venkatesham , A. Hari Padmasri in TSCHE sponsored Two-day National Seminar On "Current Trends and Future Challenges in Chemical and Allied Sciences for Research”(CTFCCASR-2023) on 27-28 July 2023 organized by Dept. of Chemistry, GDCA, Siddipet.
28. Presented a paper entitled “Bio-Glycerol Valorization to Solketal over Sulphated Ti-MCM-41Catalyst
Balakrishna Matkala, Yadaiah Salwadi,,Swaroop Chilkamarri, Vennela Aluvala, Hari Padmasri Aytam”
A.Vasanth, M. Vijayatha , B. Vijayalaxmi , K. Venkatesham , A. Hari Padmasri in TSCHE sponsored Two-day National Seminar On "Current Trends and Future Challenges in Chemical and Allied Sciences for Research”(CTFCCASR-2023) on 27-28 July 2023 organized by Dept. of Chemistry, GDCA, Siddipet.
29. Chaired one of the oral sessions during the International conference on "Green Chemistry Solutions for a Sustainable Future" on September 21st 2023 organized by Dept. of Chemistry, GITAM University, Bangalore.
30. Chaired one of the oral sessions during 1st International Conference on RIST-2023 organized and held at Dept. of Chemistry, University College of Science, Saifabad, OU 30th September 2023.
31. Delivered Invited talk in Refresher Course in “Comprehensive Chemical Analysis and Characterization” organized by the UGC-HRDC (Academic Staff College), Osmania University, Hyderabad from 06.12.2023 to 20.12.2023 on the topic: “Journey of Catalytic Process: Characterization Techniques in Aid”
32. Delivered an Invited lecture on “Nano Catalysts: Key to Sustainable Development” in Two-day National Seminar on “Chemical Sciences in Sustainable Technology and Developments-Challenges & Opportunities-2024” on 26th & 27th April 2024 organized by Dept. of Chemistry, TSWRD & PG College for Women, Mahendrahills, Hyderabad.
33. Delivered a guest lecture on “Nanomaterials” at Dept. of Chemistry, St. Pious UG & PG College for Women, Nacharam, Hyderabad on 4th July 2024 for the UG and PG students of Chemistry.

List of Seminars/workshops/conferences conducted/organised till date:

1. Two day seminar on “Chemistry in Bio-Nano World” held in Feb’08 at Department of Chemistry, O.U. College for Women, Koti, Hyderabad.
2. Two day workshop on “Current approaches in chemical analysis” held in Aug’08 at Department of Chemistry, O.U. College for Women, Koti, Hyderabad.

3. Two day workshop for P.G. Teachers held in Nov'08 at Department of Chemistry, O.U., Hyderabad. (As a volunteer)
4. Two day workshop for P.G. Teachers held in Feb'11 at Department of Chemistry, O.U., Hyderabad as a resource person in demonstrating experiments in physical chemistry practicals.
5. One day seminar was organized as an organizing secretary on "Chemistry & Energy: Present and Future Scenario" on 22nd March 2011 at the Department of Chemistry, O.U. College for Women, Koti, Hyderabad.
6. "3 D-Chemistry: A one day workshop for Teachers" on 23rd December 2011 at the Department of Chemistry, O.U. College for Women, Koti, Hyderabad.
7. Member of Organizing Committee of 30th Annual Conference of ICC at the Dept. of Chemistry, O.U. conducted from 28th -30th December 2011.
8. One day seminar was organized as an organizing secretary on "X-ray Diffraction: Key to Crystallographic Studies" on 15th March 2014 at the Department of Chemistry, O.U. College for Women, Koti, Hyderabad.
9. Conducted a Meet "ACADEMIA EXPLORES-UNIVERSITY INDUSTRY SYNERGY" on 2nd April 2014 as a member of the organizing committee, Department of Chemistry, O.U. College for Women, Koti, Hyderabad.
10. Organized a one day workshop on "Women & Security" at O.U. College for Women, Koti, Hyderabad on 2nd December 2015 as the Coordinator, Research & Innovative programmes.
11. Organized two day workshop on "Android Applications Development" at O.U. College for Women, Koti, Hyderabad on 8th & 9th December 2015 conducted by Ark Technologies & NADC, India in collaboration with IIT-Chennai as the Coordinator, Research & Innovative programmes.
12. A 'Consumer Club' has been inaugurated on 21st December 2015 as the Coordinator, Research & Innovative programmes in association with Food Science & Management, Dept. of Chemistry, O.U. College for Women, Koti, Hyderabad to encourage students and create awareness regarding issues related to consumer rights and activities on the occasion of National Consumer Day on 24th December 2015.
13. Member of Organizing committee of the one day workshop on "Food Safety" conducted by Food Science & Management, Dept. of Chemistry, O.U. College for Women, Koti, Hyderabad in association with Zeal Biologicals, India on 30th December 2015.
14. "Save oil & gas conservation fortnight" Awareness programme on 23rd January 2016 was organized in collaboration with 'Consumer Care Centre' through the Consumer Club as R & IP Coordinator.
15. Organized UGC-sponsored National Workshop on "Developing Digital Libraries using D Space 5.2" on 5th & 6th February 2016 at UCW, Koti, Hyderabad as the Coordinator of the workshop under R & IP.

16. An Awareness programme on “Food Safety” was organized as R & IP Coordinator to the non-teaching staff of the college offered by the II year students of Food Science & Management on 16th February 2016 at UCW, Koti, Hyderabad.
17. A Unique programme “Talk to the Scholar” designed by Prof.BT Seetha, the Principal, UCW was conducted to the top 25 students of B.Sc I & III year of biological as well as physical sciences stream was conducted as R & IP Coordinator.
18. “National Science Day-2016: A Focus on Science & Technology catalyzed Innovations” was organized on 29th February 2016 supported by TSCOST under DST, India was organized under R & IP as the Coordinator.
19. A “CONSUMER FEST” was celebrated on 10th March 2016 to bring awareness to the common man on consumer rights in view of World Consumer Rights Day (15/03/2016) with the participation of both faculty and students of various departments under R & IP as the Coordinator.
20. Organized a two day workshop on CBCS: Quality Sustenance & Standardization of Examination held on 31st March & 1st April 2016 at UCW, Koti, Hyderabad as one the Coordinators.
21. Organized one week programme on “Fruit Preservation” offered by FSM, Dept. of Chemistry sponsored and collaborated by RSETI, SBH, Chilkur and DRDA, R R District to the unemployed rural women from 16th April to 23rd April 2016 under R & IP as the Coordinator.
22. As a part of International Year of Pulses celebrations, an intercollegiate competition of Pulse/Legume recipes for undergraduate/post-graduate students was conducted on 13th July 2016 under R & IP Cell as the Coordinator.
23. An innovative Peer teaching programme was conducted under R & IP Cell as the Coordinator in july-august 2016 for 3 weekends Andriod Application Development was taught by Ms.Gayatri Devi of B.Sc final year to her juniors.
24. Two day workshop on “3D Game designing” in collaboration with ARK Techno solutions was conducted on 19th & 20th August under R & IP Cell as the Coordinator.
25. A one day awareness camp on “Production and Utilization of Pulses” was conducted in the Panyal village, Narsapur mandal, Medak district under R & IP Cell as the Coordinator by the B.Sc Students and faculty of Food Science & Nutrition on 24th August 2016.
26. A multidisciplinary Two day National Seminar on “Pulses-2016: Innovative Approaches for Sustainability in Production and Promotion of Utilization” was conducted with the support of Ministry of Agriculture, Govt. of Telangana by R & IP Cell as the Coordinator on 21st and 22nd October 2016.
27. A one day seminar on “Green & Sustainable Chemistry” as an organizing member on 1st September 2016 at Dept. of Chemistry, University College for Women, Koti, Hyderabad.
28. The National Poster Symposium: “Challenges in Organic/Medicinal Chemistry” for PhD Students organized by RSC-IDLS & Dept. of Chemistry, UCW, Koti on 2nd December 2016.

29. International Conference of CONIAPS XX held at the dept. of Chemistry, UCS, OU from 14th – 16th July 2017.
30. UGC-sponsored One day seminar on “Challenges and Recent Trends in Chemistry” at the Dept. of Chemistry, UCS, OU on 31st August 2018 as an organizing member.
31. One Day International symposium on " Recent Trends in Chemical Biology" on 28th November, 2018 at University College of Sciences ,Osmania University ,Hyderabad as an organizing member.
32. One week “Faculty Development Programme in Chemistry for UG Teachers: A Reorientation to the Restructured CBCS Curriculum” from 13th -18th, December 2018 at the Dept. of Chemistry, UCS, OU as a co-convener.
33. Three Days Workshop on Pedagogy Teaching for PG Teachers in Chemistry at at the Dept. of Chemistry, UCS, OU as an organizing member from 18th -20th March 2019.
34. Coordinated Industry and research institution visits for students during February 2020
1. Visit to Hetero Drugs R & D & 2. Visit to CMET, Cherlapalli
35. Conducted online quiz CHEMCOGNIZANCE in June 2020
36. Convened International webinar “Heterogeneous Catalysis: Rudiments & Industrial Relevance” on 13th July 2020.
37. Organizing member of National webinar Role of Chemist in COVID 19 Pandemic An Interactive session with Distinguished Alumni of Chemistry conducted on 1st Aug’20.
38. Organizing member of International webinar lectures on “Talk to your Peer” on 29th Aug’20.
39. Organizing member of International webinar on Recent Advances in Organic Synthesis & Clinical Trial Process for Drug Approval organized on 3rd Aug’20.
40. Organizing member of 2 Day International Webinar on Real World Applications of Nanomaterials organized on 4th & 5th Aug’20.
41. Organizing member of Two day National webinar on Online Teaching Tools for the faculty-Live Sessions conducted on 5th & 6th Aug’20.
42. Organizing member of National Webinar “Special lecture Series in Chemistry” organized during 24th – 28th Aug’20.
43. Arranged online Lecture-Interactive Session for Students on “Dealing with the Challenges of the Pandemic: A Psychosocial Perspective” 14th August 2021 by Dr G Padmaja, 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.
44. Coordinated Special Training Program for SC/ST students of the Dept. of Chemistry Offered by CMET, Hyderabad during July & September 2021.
45. Arranged Interactive Session by Dr Prasanna Reddy, 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 on 14th October 2021.

46. Distinguished Guest Lecture by Prof Saptarshi Majumdar, IIT, Hyderabad on “MSc students, Research Hovering Around Polymers: A Journey in Multi-Scale Engineering” on 20th November 2021 for Scholars & Faculty Members of Dept. of Chemistry, UCS, OU.
47. Organized as a member from Dept. of Chemistry, OU, OU-DST-PURSE II sponsored One day workshop on “X-RAY DIFFRACTION & FLOURESCENCE SPECTROSCOPY” on 31st DECEMBER 2021.
48. Coordinated **Step-Up Mentoring programme sessions in collaboration with the Alumni** of the department for research scholars and students.
49. Coordinated Students events such as Quiz, poster presentations etc., In the CHEMFEST 2022 as a part of National Science Day Celebrations on 5th March 2022 organized in association with ISCA, Hyderabad Chapter.
50. Coordinated Open House Exhibition (TAKSH)-Display of Chemistry experiments by MSc Chemistry students to UG, PG and School students from various institutions on 25th March 2022.
51. Organized Two-day international seminar on “Current Trends and Futuristic Challenges in Chemical Research” as Co-Convener from Dept. of Chemistry, OU during 29th & 30th July 2022.
52. Coordinated Open House Exhibition (TAKSH 2023)-Display of Chemistry experiments by MSc Chemistry students to UG, PG and School students from various institutions on 25th April 2023.
53. Organized One day National seminar on “Organocatalysis: Opportunities & Challenges” as a member of organizing committee from Dept. of Chemistry, OU on 1st July 2023.
54. Organized “ACS Interactions” in collaboration with ACS, India to create awareness on Careers in ACS for the M.Sc students and research scholars of various colleges under Osmania University at the Dept. of Chemistry, OU on 12th July 2023.
55. Coordinated Open House Exhibition (TAKSH 2024)-Display of Chemistry experiments by MSc Chemistry students to UG, PG and School students from various institutions on 25th April 2024.

Webinars Attended

S.No. Webinar

- 1 National Webinar on Covid-19: Academic Tasks, Challenges & Strategies organized by OU Teachers Association, OU on 5th June 2020
- 2 National Online webinar on " Importance of Spectroscopy in NET Examination" by Prof. Kalsi, conducted by Government Arts College (Autonomous), Dept of Chemistry and Physics, Salem -7 on 12th June 2020

- 3 Two National Webinar on "TOOLS TO MANAGE HEALTH AND BOOST IMMUNE SYSTEM DURING COVID - 19 CRISIS" organized by Dept. of Chemistry, University College for Women, Koti on 18th & 19th June 2020.
- 4 International Webinar on Recent Trends in Advanced Material Science-RTAMS2020 by Post Graduate & Research Dept. of Physics, The American College, Tamilnadu
- 5 "National Webinar on Yoga with family to boost immunity" Organized by Women Cell, University College for Women, Koti on 22nd June 2020
- 6 International Webinar on "Photocatalysis", Dept. of Chemistry, School of Advanced Sciences, VIT Chennai- on 29th June 2020.
- 7 National Webinar on Media Narrative during Covid-19 Pandemic organized by Dept. of History, OU on 14th July 2020.
- 8 National Webinar "Current Challenges in Experimental Physical Chemistry" organized by Department of Chemistry, IIT (ISM) Dhanbad on 31st July & 1st August 2020
- 9 National Webinar on YOGA: An Immuno Booster to Combat COVID-19, on the eve of Birth Centenary Celebrations of Former Prime Minister Sri.P.V.Narsimha Rao Garu, organized by University College of Science, Satavahana University, Karimnagar- 505001, T.S. on 10th August, 2020.
- 10 International Webinar on "Role of Chemists in discovery of Drug and Vaccine for COVID-19" organized by Dept. of Chemistry, Sathavahana University, Karimnagar, Telangana on 16th August 2020
- 11 International Webinar on "Advanced Functional Materials" organized by Department of Chemistry & Physics, Nizam College, Osmania University, Hyderabad, Telangana State, India held during 18th – 21st August 2020.
- 12 Two-day International Webinar on "Emerging Technologies in Drug Delivery and Development" Organized by Department of Chemistry, Nizam College, Osmania University on 04th - 05th September 2020.
- 13 International webinar on "Nanotechnology" Organized by Department of Chemistry (H&S), Vignana Bharathi Institute of Technology, Hyderabad. Dated 5th Sep, 2020.
- 14 International Webinar on "Frontiers in Science & Technology" on 5th & 6th,

- September, 2020 is jointly organizing by Dept. of Chem. & Pharm. Sciences, Mahatma Gandhi University, Nalgonda, Telangana State & Indian Chemical Society & American Chemical Society (Indian International Chemical Sciences Chapter)
- 15** One day National Webinar on “Chemistry-An affair with Academia and Industry”, Dept. of Chemistry, University College of Science, Saifabad on 8th September 2020.
 - 16** Two Day Virtual International Conference on “CURRENT RESEARCH TRENDS IN CHEMICAL SCIENCES (CRTCS-2020)” Organized by Department of Chemistry, University College for Women, Koti, Hyderabad from 10th to 11th September 2020.
 - 17** Two Day National Webinar on “Online Teaching Tools For The Faculty” organized by Dept. of Chemistry, Sathavahana University, Karimnagar, Telangana on 11th & 12th September 2020.
 - 18** International Webinar on “RECENT TRENDS IN PHYTOCHEMICAL RESEARCH AND DRUG DISCOVERY (RTPRDD-2020)” organised by the Department of Chemistry, SR&BGNR GOVERNMENT ARTS & SCIENCE COLLEGE (AUTONOMOUS): KHAMMAM TELANGANA STATE: INDIA on 20th November, 2020.
 - 19** International Webinar on Empowering Diversity in Science organized by Department of Chemistry Kamla Nehru Mahavidyalaya Sakkardara Square Nagpur440024, India & Association of Teachers c/o Homi Bhabha Centre for Science Education, TIFR on 9th February 2021.
 - 20** National Webinar on Functional Materials organized by Department of Chemistry Kamla Nehru Mahavidyalaya Sakkardara Square Nagpur-440024, India on 21st February 2021.
 - 21** “One Day International Webinar on Catalytic Materials” organized by The Catalysis Society of India & IIT (ISM) Dhanbad on 27/02/2021