FORMAT -B

To be filled by Head of the Department of Campus / Constituent Colleges

OSMANIA UNVERSITY

103rd Annual Report for the Year 2021 – 2022 (01.04.2021 to 31.03.2022)

1. (a) Name of the Department and its profile (not more than 500 words) : CHEMISTRY

(b) year of Establishment : 1917

2. Name of the College : University College of Science

3. Name of the Head with Qualification : Prof. U. Umesh Kumar, M.Sc., Ph.D

- 4 Brief Report on Academic and Research aspects during the year (about 2 pages on each item)
 - 4.1 Academic Schedule of UG and PG courses Common Schedule of University is followed
 - 4.2 Introduction of new courses and updating syllabi: None
 - 4.4 MoUs / Collaboration with National / International institutions: None
 - 4.6 Research projects (i) Sanctioned during the year, (ii) Completed during the year and (iii) In progress during the year (Mention number only)

SI.No	Department	Name of the Teacher	Major Project(or) Minor Project	Project title	Sponsoring agencies	Amount Rs.	Duration	Ongoing /Completed	Sanctioned Date/Completed Date
1	2	3	4	5	6	7	8	9	10
1	Chemistry	Dr G.Vijaya charan	Minor	"Green synthesis of SeO ₂ doped	DST-PURSE program	2,35,000	3 years	completed	2019 -2022

				metal oxides as an efficient photo catalyst and					
				antibacterial					
				agents using					
				Tecoma stans leaf extract."					
2.	Chemistry	Dr P	Minor	"Green route	DST-PURSE	2,35,000	3 years	completed	2019 -2022
2.	Chemistry	Saritha	Willion	for efficient	program	2,33,000	J years	completed	2019 -2022
		Reddy		synthesis of	program				
		l		fluorine					
				containing					
				Schiff bases and					
				their					
				complexes as					
				potent Bio					
				active agents:					
				DNA					
				interaction,					
				Docking, In					
				vitro antimicrobial					
				screening and					
				Cytotoxic					
				studies."					
3.	Chemistry	Dr A Hari	Minor	"Development	OU-DST-	0.75 L	2021-22	Completed	22/12/2021; 31-
		Padmasri		of Nano	PURSE-II				01-2022
				Photo-Catalytic					
				Materials for					
				Efficient and					
				Cost-Effective					
				Utilization of					
				Solar Energy in					
				the Conversion					
				of Renewable					

				Alcohols to Hydrogen"					
4.	Chemistry	P. Muralidhar Reddy	Major	Development of a graphene- based direct Naisal cell- based mass spectrometry technique for the detection of biomarker molecules	Ministry of Science and Technology (MOST), R.O.C., Taiwan	9,48,250 (NTD) Rs. 25, 52, 106/-	2022-2023	Ongoing	August 1, 2022
5.	Chemistry	P. Muralidhar Reddy	Minor	Development of a Rapid and Cost-effective Advanced Mass Spectrometry Approach for the Evaluation of Vitamin D Deficiency	Project Related Grants (PRG), DST, Gol & TSCOST	4,00,000	2022- 2023	Ongoing	March 21, 2022
6.	Chemistry	P. Muralidhar Reddy	Minor	Development and Standardization of Immunity Boosting Polyherbal Infusion Bags	Project Related Grants (PRG), DST, Gol & TSCOST	4,00,000	2022- 2023	Ongoing	March 21,2022
				Assembly of Surface Plasmon Resonance- induced Macrocyclic	DST-PURSE-II programme	2,35,000	2020- 2022	Completed	

				M(II) complexes as photocatalysts driven by visible light Irradiation					
7.	Chemistry	Dr. Someshwar Pola, Co-PI	Major	Development of Multiferroic tapes for Sensing and Energy Harvesting Applications	DMRL-DRDO	15,71,570	2021- 2024	Ongoing	
8.	Chemistry	Prof. M Vijjulatha	Major		DST SERB Empowerment and Equity Opportunities for Excellence in Science	Rs. 42 Lakhs	2019-2023	Ongoing	
					CSIR	Rs. 21,80,400	2019-23	Ongoing	
9.	Chemistry	Prof D Ashok	Major		UGC-BSR Faculty Fellowship	Rs. 33 Lakhs	2019-22	Ongoing	
10.	Chemistry	Dr K Shivakumar	Major		CSIR	Rs. 30,20,157	2019-22	Ongoing	

4.7 Academic distinctions / reputation of the Department

- > The Department received grants from various funding agencies such as UGC, UPE, DST-FIST, CSIR etc.
- > It is a Nodal Centre for facilitating Ph.D. Programme in Chemistry for candidates from IICT, Dr. Reddy's Laboratory Pvt. Ltd., DRDL, DMRL, Mylan Laboratories, Hyderabad etc. due to low cost, simple procedures and above all the facilitating attitude of the Dean's office and The Department of Chemistry.

4.8 Conduct of Seminars / Workshops / Training Programs

S.No.	Title of conference/Seminar/Workshop	Date	Funding Agency
1	Special Training Program for SC/ST students of the Dept. of Chemistry Offered by CMET, Hyderabad. Title of the Program: "Skill development training program for Schedule Caste & Schedule tribe students on E-waste dismantling/segregation technologies and testing of Restriction of Hazardous substance (RoHS)"	September 2021	CMET, Hyderabad
	12 students from 2019-21 batch under the category of SC/ST were selected and offered online theory classes in month of July and practical training at CMET with various instruments operations was given during the month of September 2021. A certificate of training was provided to students who attended at the end of the program.		
2	OU-DST-PURSE-II SPONSORED ONE DAY WORKSHOP ON "X-RAY DIFFRACTION & FLOURESCENCE SPECTROSCOPY" On 31*DECEMBER 2021 was organized by the Dept. of Chemistry, UCS, OU for MSc students and Research Scholars		
3	CHEMFEST 2022: National Science Day Celebrations Theme: Integrated Science and Sustainability reflects India's future course Events Organized Convened by Prof U Umesh Kumar, Head, Dept. of Chemistry, OU and Organized by the MSc students of the department in association with Indian Science Congress Association (ISCA) Hyderabad Chapter. On 5th March 2022 at the Dept. of Chemistry, OU Chem quiz, e-Poster and Just-A-Minute (JAM) talk competitions were conducted for UG/PG students from all the	5 th March 2022	Indian Science Congress Association (ISCA) Hyderabad Chapter & Siddartha Institutions, Hyderabad

	constituent and affiliated colleges of OU.		
4	OU TAKSH: OPEN DAY was celebrated on 24th March 2022 with great enthusiasm by the Dept. of Chemistry, UCS, OU with many displays by the MSc Students exhibited for the students of Intermediate, UG & PG from various colleges from twin cities	24th March 2022	Ου
5	OU TAKSH: ALUMNI DAY was also celebrated with great enthusiasm on 25th March 2022 and many distinguished Alumni from Academia and Industry have participated and expressed their views in this regard.	25th March 2022	Ου

- 4.10 Journals published by the University departments / faculty and Books published by the Publication Division of the University / other publishers: -NIL-
- 4.11 Endowment lectures organized during the year: -NIL-
- 4.12 Development and use of e-learning packages / tools
 - ➤ Use of software programmes Arrange Lab, Hyperchem, chemaxon etc.
 - > Reference work by availing internet facilities.
 - > Use of Microsoft word, excel and power point etc. for documentation.
 - Molecular Modeling Using Open Source Software's Manual (For Beginners) Prof. M. Vijjulatha, Dr. S. Sree Kanth and Dr. S. Gururaj.
- 4.13 Best practices in teaching and research
 - ♣ Demonstration through Models.
 - ♣ Power point presentation of a topic after completion of teaching of a course.
 - Conducting seminars.
 - Arranging Guest Lectures.
 - ♣ Illustration of Scientific exhibits.
 - Assignments in Course works
 - ♣ Tours to industries viz., Hetero Drugs etc and Institutions such as ARCI, CSIR-IICT etc.
- Brief Report on Contribution of the Teaching Staff (about 2 pages on each item)

5.1 Research papers published in ISSN Journals and Impact factor & citation index analysis

Research papers published in ISSN Journals and Impact factor & citation index analysis: (Pls see enclosed **Annexure I**); No. of Research papers published: **86**

H-index of the Teachers

S.No.	Name of the Faculty	H-index
1	Prof U. Umesh Kumar	13
2	Prof. Ramchander	05
3	Prof P Leelavathi	NA
4	Prof P.V. Ananthalakshmi	NA
6	Prof G. Vijaya Charan	NA
7	Dr. P. Saritha Reddy	06
8	Dr D.A. Padmavati	NA
9	Dr. Boda Sakaram	10
10	Dr A Hari Padmasri	20
11	Dr P. Muralidhar Reddy	24
12	Dr D A Padmavathi	06
13	Dr A Hari Padmasri	19
14	Dr P Someshwar	15
15	Dr Raju J Reddy	21
16	Dr. K. Laxma Reddy	12
17	Dr. B. Vijaya Kumar	11
18	Dr. p. Jalapathi	NA

		Title of paper	Name of the	Department	Name of	Year of	ISSN	Impact	Link to the
SI.No	Department		author/s	of the	journal	publicati	number	factor	recognition
				teacher		on		of the	in UGC
						Volumes		journal	enlistment
						. Issuee			of the
									Journal

1	2	3	4	5	6	7	8	9	10
	Chemistry	Characterisation, antibacterial and anticancer investigation of green synthesized silver nanoparticles utilizing gymnema sylverstre leaf broth (Podapathri) by microwave light strategy	Rekha, K. C., Yaku, G., & Kumar, U. U.	Utkoor Umesh kumar	Rasayan Journal of Chemistry	2021, <i>14</i> (3).	2031– 2039	1.5	Yes
2	Chemistry	Ultrasonically Assisted Thiocyanation of Aromatic and Heteroaromatic Compounds Using Silica-Supported Bronsted Acids (HCIO4-SiO2 and KHSO4-SiO2) as Reusable Catalysts.	Vijay Shekar Pulusu, K. C. Rajanna *, U. Umesh Kumar, M. Anil Kumar, Yaku Guguloth, Yadagiri Pulusu	Utkoor Umesh kumar	Journal o Advances inChemical Sciences	9(3)	226- 235.	0	No
3	Chemistry	Validated UV Spectrophotometric Methods for the Simultaneous Estimation of Omeprazole and Domperidone.	Prashanthi Malyala, Yaku Gugulothu, Kasigari Chandra Rekha, Umesh Kumar Utkoor	Utkoor Umesh kumar	Indian Journal of Advances in Chemical Sciences	9(3)	77- 82.	0	No
4	Chemistry	Synthesis and biological activity of novel-4H-benzo[e][1,3]oxazin-4one	Savitha Rasam1 Divya Komirishetti2 Sabitha G2 Yaku	Utkoor Umesh kumar	International journal of science and research	15(1)	06-12.	0	Yes

5	Chemistry	linked [1,2,3]-triazole derivatives Microwave-assisted green synthesis of silver nanoparticles	gugulothu1 Umesh Kumar Utkoor1*, Yadagiri Swamy.P1 Vani Vangari, Yaku Gugulothu,	Utkoor Umesh kumar	Journal of advanced scientific	12 (4)		1	Yes
		using passion fruit peel extract for catalytic reduction of organic dyes.	Areef Mohammed, Umesh Kumar U*, Panasa Reddy A.		research				
6	Chemistry	Characterization, and DNA-binding Studies of Synthesized Gold Nanoparticles using Orange (Citrus sinensis) Peels Extract.	Kasigari Chandra Rekha, Gugulothu Yaku, M. Prashanthi, Umesh Kumar Utkoor*	Utkoor Umesh kumar	Indian Journal of Advances in Chemical Sciences	14(3)	2031- 2039	0	No
7	Chemistry	Pd/C and TFA- promoted One-pot, Two-step Cascade Reaction: An Effective Synthesis of Oxepines.	Gugulothu, K., Ramulu Meesa, S., Kumar Utkoor, U., Rajasekhara Reddy, S., & Shiva Kumar, K.	Utkoor Umesh kumar	Asian Journal of Organic Chemistry	<i>10</i> (11)	3045– 3049	3	Yes
8	Chemistry	Silica supported acids (SiO2-HCIO4, SiO2- KHSO4) as eco- friendly reuasble catalysts for bromination of	Vijay Shekar Pulusu, K. C. Rajanna*, U.Umesh Kumar, M. Anil Kumar,	Utkoor Umesh kumar	Silicone Journal of Chemistry				

		aromatic and heteroaromatic compounds using KBr under solvothermal and solvent-free conditions.	M. Satish Kumar, Hemanth Yelike, Yaku Gugulothu, Yadagiri Pulusu						
9	Chemistry	Synthesis of spiro chromanone sandwiched 15,16,18 membered (Z)-dioxo cycloalkenes by ring closing metathesis and homodimers of 8-allyl-7-((6-bromoalkyl) oxy) spirochroman-4-ones by cross metathesis.	Prathima, K., Ashok, D., Sarasija, M., Dharavath, R., Utkoor, U. K., Lakshmi, V. V. S., Ganji, S. K., & Sripadi, P.	Utkoor Umesh kumar	Synthetic Communicati ons	52(5)			
10	Chemistry	Validated uv- spectrophotometric methods for the simultaneous estimation of dextromethorphan and cetirizine	Utkoor, U. K., Malyala, P., Gugulothu, Y., & Kasigari, C. R	Utkoor Umesh kumar	Journal of Advanced Scientific Research	<i>13</i> (03)			
11	Chemistry	Synthesis of 1,2,3- Triazole Tethered Indole Derivatives: Evaluation of Anticancer Activity and Molecular Docking Studies	Dharmasothu Veeranna,[a] Lakavath Ramdas,[a] Guguloth Ravi,[a] Sushmitha Bujji,[b] Vishnu Thumma,[c] and Jadav	Dr. J Ramchande r	Chemistry Select	2022	2365- 6549	2.307	https://doi.o rg/10.1002/ slct.2022017 58

			Ramchander* [a]						
12	Chemistry	Quinoline and 2- nitroimino-1, 3- diazacycloalkane hybrids: Design, synthesis and insecticidal activity	J.Sowmya, B. Padma and P. Leelavathi	P. Leelavathi	J Indian Chem. Soc	2022 99 (1)	100279	0.25	
13	Chemistry	Microwave-assisted one-pot multicomponent synthesis of 2-(-4-oxo- 2-(1-(2-oxo-2h- chromen-3-yl) ethylidene) hydrazono)thiazolidin -5-yl) acetic acid derivatives and their antiviral activity	V. Anjaneyulu, V. Krishnaiah, K. Vermeire and P. Leelavathi	P. Leelavathi	J Heterocyclic Chem.	2022 , 1, 1-12		2.1	
14	Chemistry	A new stability-indicating RP-HPLC method for the determination of dicyclomine hydrochloride and dimethicone combination in tablet dosage forms	J. Saroja, P.V. Anantha Lakshmi, Y. Rammohan, D. Divya Reddy	Prof. P.V.Ananth a Lakshmi	Future Journal of Pharmaceutica I Sciences	2021 7	2314- 7253		https://doi.o rg/10.1186/s 43094-021- 00260-0
15	Chemistry	Investigation of DNA binding and bioactivities of furan cored Schiff base Cu (II), Ni (II), and Co (III) complexes:	K. Venkat eswarlu, D.Sreenu, G.Ramesh, P.V.Anantha	Prof. P.V.Ananth a Lakshmi	Applied organometalli c Chemistry	2021 35(9)	0268- 2605	4.105	https://doi.o rg/10.1002/a oc.6326

		Synthesis, characterization and spectroscopic properties	Lakshmi , Shivaraj						
16	Chemistry	Spectroscopic, quantum chemical calculations, antioxidant, anticancer, antimicrobial, DNA binding and photo physical properties of bioactive Cu(II) complexes obtained from trifluoromethoxy aniline Schiff bases	D.Sreenu A. Rambabu, G.Nirmala, G.Ramesh, P.V.Anantha Lakshmi, Shivaraj	Prof. P.V.Ananth a Lakshmi	Journal of Molecular Structure	2021 1249	0022- 2860	3.196	https://doi.o rg/10.1016/j. molstruc.20 21.131601
17	Chemistry	Synthesis, spectroscopic and thermal studies of Cu+2, Ni+2 and Co+3 complexes of Schiff base containing furan moiety. Antitumor, antioxidant, antibacterial and DNA interaction studies	K. Venkateswarl u, P.V.Anantha Lakshmi, Shivaraj	Prof. P.V.Ananth a Lakshmi	Applied organometalli c Chemistry	2021 36(2)	0268- 2605	4.105	https://doi.o rg/10.1002/a oc.6530
18	Chemistry	Nickel–Metformin Ternary Complexes: Geometrical, Thermal, DNA Binding, and Molecular Docking	K. Rajeshwari, P.Vasantha B.Sathish Kumar, P.V.Anantha	Prof. P.V.Ananth a Lakshmi	Biological trace element research	2022	1559- 0720	4.081	https://doi.o rg/10.1007/s 12011-022- 03100-1

		Studies	Lakshmi						
19	Chemistry	Novel metformin complexes: Geometry optimization, nonisothermal kinetic parameters, DNA binding, on-off light switching and docking studies	B.Shekhar, K.Rajeshwari, B.Jayasree, P.V.Anantha Lakshmi	Prof. P.V.Ananth a Lakshmi	Applied organometalli c Chemistry	2022 36(4)	0268- 2605	4.105	https://doi.o rg/10.1002/a oc.6601
20	Chemistry	A Treatise on Furan Cored Schiff Base Cu(II), Ni(II) and Co(III) Complexes Accentuating Their Biological Efficacy: Synthesis, Thermal and Spectroscopic Characterization, DNA Interactions, Antioxidant and Antibacterial Activity Studies	K.Venkateswa rlu, A.Rambabu, D.Shiva Shankar, P.V.Anantha Lakshmi, Shivaraj	Prof. P.V.Ananth a Lakshmi	Chemistry and biodiversity	2022 19(3)	1612- 1880	2.745	https://doi.o rg/10.1002/c bdv.202100 686
21	Chemistry	Metformin-Derived Water-Soluble Cobalt Complexes: Thermal, Spectroscopic, DNA Interaction, and Molecular Docking Studies	K.Rajeshwari, P. Vasantha, B.Shekhar, P.V.Anantha Lakshmi	Prof. P.V.Ananth a Lakshmi	Applied Biochemistry and Biotechnology	2022 194	0273- 2289	3.094	https://doi.o rg/10.1007/s 12010-022- 03862-3
22	Chemistry	Visible Light Driven Photodegradation of Pathological	Lakshmi Madhuri Peddada,	Dr. G.Vijaya charan	Materials Science inc. Nanomaterial	Chemistr y Select 2022, 7,		2.307	doi.org/10.1 002/slct.202

		Effluents and Biological Evaluation of Green ZnO Nanoparticles	Someswar Rao Sagurthi, Vijaya Charan Guguloth Ratnamala Annapragada, and Phani Raja Kanuparthy*		s & Polymers Chemistry Select	e202200 146 (11 of 11)			200146
23	Chemistry	Synthesis, structural, photocatalytic and anti-cancer activity of Zn doped Ni nano chromites by citrate gel auto combustion method	P. Sailaja Kumari a, G. Vijaya Charan a,*, D. Ravi Kumar b	Dr. G.Vijaya charan	Inorganic Chemistry Communicati ons	Inorgani c Chemistr y Commu nications 139 (2022) 109393		2.495	https://d oi.org/10. 1016/j.ino che.2022 .109393
24	Chemistry	Study of photo catalytical, antimicrobial activity, dielectric and ac impedance properties of Zn doped Mg nanoferrites synthesized from citrate gel auto combustion method	D. Ravi Kumar a,*, Ch Abraham Lincoln a, G. Vijaya Charan a, Gugulothu Thara b, D. Ravinder c, M. Veeraswamy c, Pallati Naresh d	Dr. G.Vijaya charan	Materials Chemistry and Physics	Material s Chemistr y and Physics 278 (2022) 125648		4.56	https://doi.o rg/10.1016/j. matchemph ys.2021.125 648
25	Chemistry	Biological evaluation, molecular docking, DNA interaction and thermal studies of new bioactive metal	Kavitha Bengi, Sravanthi Maddikayala Saritha Reddy Pulimamidi	Dr P Saritha Reddy	Applied Organometalli c Chemistry	Volume 35, Issue 2 / e6085,2 021.	1099- 0739	4.105	https://doi.o rg/10.1002/a oc.6085

		complexes of 2- Hydroxybenzaldehyd e and fluorobenzamine Schiff base ligand							
26	Chemistry	DNA binding, cleavage, docking, biological and kinetic studies of Cr(III), Fe(III),Co(II),and Cu(II) complexes with ortho-vanillin Schiff base derivative	Kavitha Bengi, Sravanthi Maddikayala Saritha Reddy Pulimamidi	Dr P Saritha Reddy	Applied Organometalli c Chemistry	Volume 36, Issue 1 / e6451,2 021.	1099- 0739	4.105	https://doi.o rg/10.1002/a oc.6451
27	Chemistry	DNA binding, cleavage, molecular docking, antimicrobial and anticancer activities of Cr(III), Fe(III), Co(II), and Cu(II) complexes of ovanillin and fluorobenzamine Schiff base ligand		Dr P Saritha Reddy	Applied Organometalli c Chemistry	Volume 36, Issue 3, e6531,2 022.	1099- 0739	4.105	https://doi.o rg/10.1002/a oc.6531
28	Chemistry	Coumarinyl (thienyl) thiazole molecules as fluorescent photo switches	K. Mahesh, D. A. Padmavathi	Dr.D.A.Pad mavati	Asian Journal of Chemistry	Volume 34 (2022)	0970- 7077		
29	Chemistry	Is Hammett Correlation of Dipole Moments of mono- Substituted Benzenes Helpful to Distinguish o,p-Directing Groups from m-Directing	R. Sanjeev, D. A. Padmavathi, V. Jagannadham	Dr.D.A.Pad mavati	World Journal of Chemical Education	2021			

30	Chemistry	Groups in an Aromatic Electrophilic Substitution? A Chemical Education Perspective Synthesis and characterization of 4- (4'-methoxy) benzylidene amino-5- phenyl-3-mercapto-1, 2, 4-triazole and its complexes with	Aliya Begum, P. Sateesh Kumar, D.A Padmavathi, B. Sireesha, K. Eishwari and Ch. Sarala Devi	Dr.D.A.Pad mavati	IJRAR	2021, Volume 8, Issue 3	P- ISSN 2349- 5138		
31	Chemistry	Cu(II), Mn(II) Synthesis, antimicrobial activities of novel 3-chloro-4- (2,4-difluorophenyl)- 1-(3-aryl-1,8- naphthyridin-2- yl)azetidin-2-ones and 2-(2,4- difluorophenyl)-3-(3- aryl-1,8-naphthyridin- 2-yl)thiazolidin-4- ones.	Kurumanna Adem, Sakram Boda, Rambabu Sirgamalla& Ramesh Macha	Dr BODA SAKRAM	Synthetic communicatio ns	2022	Print ISSN: 0039- 7911 Online ISSN: 1532- 2432	2.17	https://doi.o rg/10.1080/0 0397911.20 22.2045321
32	Chemistry	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*	Dr.A. Hari Padmasri	IOSR Journal of Applied Chemistry (IOSR-JAC)	2022; 15; 1-6	e-ISSN: 2278- 5736	-	
33	Chemistry	Synthesis and Characterization of Oxo Zirconium (IV) Complexes of	S. Durga Bhavani, N. Naresh Reddy, A.	P. Muralidhar Reddy	American Institute of Physics (AIP) Conf. Proc.	2021	ISSN 0094- 243X (print);	0.40	https://doi.o rg/10.1063/5 .0060864

		Polydentate Ligands	Krishnam Raju, M. Radhika, P. Muralidhar Reddy and K. Bhaskar		2021		1551- 7616 (web)		
34	Chemistry	Potential Applications of Nanoparticles Embedded U-bent Fiber Optic Probe	Revathy Sundara Moorthy, Rohini Rondla, M. Kavitha, P. Hima Bindu, Chand Pasha, and P. Muralidhar Reddy	P. Muralidhar Reddy	American Institute of Physics (AIP) Conf. Proc. 2021	2021	ISSN 0094- 243X (print); 1551- 7616 (web)	0.40	https://doi.o rg/10.1063/5 .0060856
35	Chemistry	Synthesis and Rational Design of New Appended1,2,3- Triazole-uracil Ensembles as Promising Anti-Tumor Agents via In Silico VEGFR-2 Transferase Inhibition	N. Naresh Reddy, A. Sanjeev, S. Bhaskar, M. Kumara Swamy, V. Srinivasa Rao, A. Krishnam Raju, K. Bhaskar, Anren Hu, P. Muralidhar Reddy	P. Muralidhar Reddy	Molecules	2021	1420- 3049	4.927	doi: 10.3390/mo lecules26071 952
36	Chemistry	Synthesis and characterization of Abacavir acetic acid salt polymorphic transition from Abacavir free base by	Veeraswamy Rama, Nagaraju Rajana, K.Sateesh Reddy,	P. Muralidhar Reddy	Bioscience Biotechnology Research Communicati ons	2021	Print ISSN: 0974- 6455 Online	1.783	http://dx.do i.org/10.217 86/bbrc/13.1 5/36

		using Process Analytical Tools (PAT)	Siddaiah Vidavulur, T.V. Pratap, Siva Bandi, Rohini Rondla, M. Radhika, K. Bhaskar and P. Muralidhar Reddy				ISSN: 2321- 4007		
37	Chemistry	Design and synthesis, biological evaluation of bis-(1,2,3- and 1,2,4)-triazole derivatives as potential antimicrobial and antifungal agents	Sampath Bitla, Akkiraju Anjini Gayatri, P. Muralidhar Reddy, Vijaya Kumar Bhukya, Jagadeshwar Vannada, Ramulu Dhanavath, Bhaskar Kuthati, Devender Kothula, Someswar Rao Sagurthi, Krisham Raju Atcha	P. Muralidhar Reddy	Bioorganic & Medicinal Chemistry Letters	2021	2.823	0960- 894X	doi: 10.1016/j.bm cl.2021.1280 04.
38	Chemistry	An Efficient (TBA) ₂ S ₂ O ₈ Catalyzed	Mallesh Magini,	P. Muralidhar	Results in Chemistry	2021	2211- 7156		https://doi.o rg/10.1016/j.
		Regioselective	Sampath Bitla,	Reddy	,,		7150		rechem.2021
		Solvent-Free One-Pot Synthesis of Fully Substituted Pyrazoles	P. Muralidhar Reddy Saritha Birudaraju,						.100184

39	Chemistry	Mono and Tri-cationic Imidazolium Salts: Use as Stabilizers for Silver Nanoparticles and Anticancer Study	Ramulu Dhanavath, Krishnam Raju Atcha R. Rohini, N. Naresh Reddy, A. Sanjeev, S. Bhaskar, and P. Muralidhar Reddy	P. Muralidhar Reddy	Asian J. Org. Med. Chem.	2021	2456- 8937	1.08	https://doi.o rg/10.14233/ ajomc.2021. AJOMC- P331
40	Chemistry	Synthesis, Characterization and in vitro Anticancer Studies of New Co(II), Ni(II), Cu(II) and Zn(II) Complexes of (E)-4-((Quinoline-8- ylimino)methyl)benze ne-1,2,3-triol Ligand	A. Sanjeev, N. Naresh Reddy, M. Kumara Swamy, Rohini Rondla, S. Ranga Reddy, and P. Muralidhar Reddy	P. Muralidhar Reddy	Asian J. Org. Med. Chem.	2021	2456- 8937	1.08	DOI: 10.14233/aj omc.2021.A JOMC-P345
41	Chemistry	Antiferromagnetic spin correlations above the bulk ordering temperature in NiO nanoparticles: Effect of extrinsic factors,	Tai-Yue Li, Ming-Kang Ho, Tus-En Hsu, Hsin- Hao Chiu, Kuan-Ting Wu, Jen-Chih Peng, Chun- Ming Wu, Ting Shan Chan, B Vijaya Kumar, P Muralidhar Reddy, Shyue-	P. Muralidhar Reddy	Applied Surface Science	2022	0169- 4332	6.707	DOI: https://doi.o rg/10.1016/j. apsusc.2021. 152081

			Chu Ke, Chia- Liang Cheng, Ashish Chhaganlal Gandhi, Sheng Yun Wu						
42	Chemistry	Synthesis and Biological Evaluation of Novel 2- Arylqulinoline-3- Fused Thiazolo[2,3c]1,2,4- Triazole Heterocycles as Potential Antiproliferative and Antimicrobial Agents	Ramulu Dhanavath, Ravinder Dharavath, Devender Kothula, Sampath Bitla, Gugulothu Yaku, Saritha Birdaragu, P. Muralidhar Reddy, Krishnam Raju Atcha	P. Muralidhar Reddy	Journal of Heterocyclic Chemistry	2022	1943- 5193	2.193	DOI: 10.1002/jhet .4460
43	Chemistry	Synthesis and Anticancer Activity of 3,4,5- Trimethoxycinnamami de-Tethered 1,2,3- Triazole Derivatives	A. Sanjeev, N. N. Reddy, S. Bhaskar, R. Rohini, A. K. Raju, B. V. Kumar, A. Huc, and P. M. Reddy	P. Muralidhar Reddy	Russian Journal of Organic Chemistry	2022	1070- 4280	0.72	DOI: 10.1134/\$107 0428022010 122
44	Chemistry	Overview of the Effect of Covid-19 Pandemic on Forensic Pathology	G. Swetha, Revathy Sundara Moorthy, K. Premalatha, M. Kavitha and P.	P. Muralidhar Reddy	High Technology Letters	2022	1006- 6748	2.7	DOI: https://doi.o rg/10.37896 /HTL28.05/ 5810

			Muralidhar Reddy						
45	Chemistry	One-Pot Hydrothermal Preparation and Defects Enhanced Photocatalytic Activity of Bi doped CdWO4 Nanostructures	Kura Narsimha, N. Anuradha, Kathi Sudarshan, Ashish Chhaganlal Gandhi, A. Krishnam Raju, P. Muralidhar Reddy, Radhika Mone, G.	P. Muralidhar Reddy	Physical Chemistry Chemical Physics	2022	1463- 9076 (print); 1463- 9084 (web)	3.945	https://doi.o rg/10.1039/ D1CP02885 E
			Upender, B. Vijaya Kumar						
46	Chemistry	Stability Indicating Method Development and Validation, Stress Degradation Studies for Dacarbazine By Using RP-HPLC	A. Sanjeev, Narmada Vallakeerthi, N. Naresh Reddy, S. Bhaskar and P. Muralidhar Reddy	P. Muralidhar Reddy	NeuroQuanto logy	2022	1303- 5150	1.576	doi: 10.14704/nq .2022.20.9. NQ44735
47	Chemistry	Diisobutylaluminium hydride mediated efficient synthesis of Morita-Baylis-Hilman adducts through α- functionalization of alkyl Propiolates	Sailam Sri Gogula, Ramakrishna Konakalla, Kamalaker Reddy Kamireddy, P. Muralidar Reddy , Ch. Abraham	P. Muralidhar Reddy	Journal of Heterocyclic Chemistry	2022	1943- 5193	2.193	DOI: 10.1002/jhet .4602

48	Chemistry	Nanoparticle Drug Delivery System for the Treatment of Neurological Disorder	Lincoln and B.V. Subba Reddy K. Laxma Reddy, P. Muralidhar Reddy* and M. Kavitha	P. Muralidhar Reddy	NeuroQuanto logy	2022	elSSN: 1303- 5150	1.576	doi: 10.14704/nq .2022.20.9. NQ44736
49	Chemistry	Precise Sn-Doping Modulation for Optimizing CdWO ₄ Nanorod Photoluminescence	K. Manjunatha, Ming-Kang Ho, Tsu-En Hsu, Hsin- Hao Chiu, Tai-Yue Li, B. Vijaya Kumar, P. Muralidhar Reddy, Ting San Chan, Yu- Hao Wu, Bi- Hsuan Lin, Artashes Karmenyan, Chia-Liang Cheng, Ashish Chhaganlal Gandhi and Sheng Yun Wu	P. Muralidhar Reddy	Int. J. Mol. Sci.	2022	1422- 0067	6.208	https://doi.o rg/10.3390/i jms2323151 23
50	Chemistry	Modulation of Magnetic and Luminescence Properties via Control Cu-Doped in CdWO ₄ Nanorods for Photocatalytic	Ashish Chhaganlal Gandhi, Hsin- Hao Chiu, Ming-Kang Ho, Tsu-En Hsu, Tai-Yue	P. Muralidhar Reddy	ACS Appl. Nano Mater.	2022	1422- 0067	5.097	https://doi.o rg/10.1021/a csanm.2c03 092

	Applications	Li, Yu-Hao Wu, B. Vijaya Kumar, P. Muralidhar Reddy, Bi- Hsuan Lin, Chia-Liang Cheng, and Sheng Yun Wu					
51	Effect of surface and contact points modification on the output performance of triboelectric nanogenerator	S. Mishra, P. Supraja, D. Haranath, R. R. Kumar, Someshwar Pola,	Dr. Someshwar Pola	Nano Energy	2022	, 107964	
52	Benzodithiophene- Based, Donor- Acceptor-π-Donor- Acceptor Systems as Hole Transporting Materials for Efficient Perovskite Solar Cells	R. Gade, M. Basude, R. Vummadi, Someshwar Pola		, Water Research & Technology,	2022	3065– 3078	
53	Benzodithiophene-Based, Donor-Acceptor-\(\pi \)-Donor-Acceptor Systems as Hole Transporting Materials for Efficient Perovskite Solar Cells,	K. Manda, R. Kore, M. Ambapuram, P. Chetty, S. Roy, V. Jadhav, S. N. Babu, R. gundla, R. Mitty, Someshwar pola		ChemPhotoC hem	2022	e20220 0062	
54	Organic materials based on hetero	Suresh Kilaru, Ramesh Gade,		Materials Science in	2022	106730	

	polycyclic aromatic hydrocarbons for organic thin-film transistor applications,	Yadagiri bhongiri, Anuj Tripathi, Prabhakar Chetti, Someshwar Pola	Semiconducto r Processing			
55	Photooxidation of 2,20- (Ethyne-1,2- diyl)dianilines: An Enhanced Photocatalytic Properties of New Salophen-Based Zn(II) Complexes,	Mahesh Subburu, Ramesh Gade, Prabhakar Chetti, Someshwar Pola	Photochem	2022		
56	Evolution of photocatalytic activity of CeO2–Bi2O3 composite material for wastewater degradation under visible-light irradiation, Optical Materials	K Masula, Y Bhongiri, GR Rao, PV Kumar, Someshwar Pola, M Basude	Optical Materials	2022	112201	
57	Synthesis and Optical Properties of Mono- and DiSubstituted 1, 3, 5-Triazines Functionalized with Thiophene and Furan,	V. M. Vidya, Someshwar Pola,* P Chetti,	Journal of Molecular Structure,	2022	132408	
58	Enhanced photocatalytic activity of CdWO4/BaTiO3 heterostructure for dye degradation,	S. P. Sai Sushma, G. Swarupa, T. Nagesh, Someshwar Pola, P.	New J. Chem	2021	19723- 19732	

59	Efficient, Dop			olar Energy	2021	501-512	
	Phenazine bas Transpor Materials fo Performa Perovskite So	ting Ahemed, S. or High Kalvapalli, N. once B.					
60	New Zn (II) C Composite M Piezo-Enha Photominera of Organic Po and Wastewa Lubricant In	Naterial: Rao D, Inced Mahesh Ilization Subburu, Iliutants Ramesh Gade, ter from Manohar	i w	viron. Sci.: Vater Res. Technol	2021	1737- 1747	
61	New indol c]quinazolir Single-crysta effect tran (SCFET): A Experiment Theoretical	o[1,2- nes for Swamy Puli, al field Suresh K, sistor Yadagiri united Bhongiri, al and Anuj Tripathi,		ournal of Physical Organic Chemistry	2021	e4276	

		Che Anin Chatte Kiran k Vukot Somes Po	dita erjee, Kumar i and hwar la				
62	(II) Com Photo de of Org Pollutant Wastev Photo-o methyl A	of New Zn nplexes for composition ganic Dye ts, Industrial water and xidation of crenes under J. Ahen Pasha, V Gade Bhong Che Somes Po	V. Rao ore, R. e, Y. iri, P. tti, hwar	Journal of Photochemistr y & Photobiology, A: Chemistry	2021	113455	
63	b]indole organic r Organ Transistor	V Indolo[3,2- e based small molecules for nic Thin Film rs (OTFTs): A combined ntal and DFT Study V. S. Pu Subbut Bhong K.R.S. F A. Chat Somes Pola, Che	ru, Y. iri, A. athi, Prasad, terjee, hwar * P.	Journal of Molecular Structure	2021	129491	
64	charge properti type 1,3 deriva com experimen study, Spe Acta Molec	ctronic and transport Somes Pola Pola Prabhatives: A Chentral and DFT ectrochimica Part A: cular and oolecular	hwar and akar	Spectrochimic a Acta Part A: Molecular and Biomolecular Spectroscopy	2021	118940	

		Spectroscopy					
65	CHEMISTRY	Interrupted CuAAC- Thiolation for the Construction of 1,2,3- Triazole-Fused Eight- Membered Hetero- cycles from <i>O-/N-</i> Propargyl derived Benzyl Thiosulfonates with Organic Azides	Reddy, R. J.* Waheed, Md., Kumari, A. H., and Krishna, G. R.	Dr. Raju J. Reddy	Adv. Synth. Catal. 2022, 364, 319-325	2022/36	5.981
66	CHEMISTRY	Diethyl phosphite- mediated switchable synthesis of bis (imidazoheterocycl es) derived disulfanes and sulfanes using imidazoheterocycles and octasulfur	Reddy, R. J.* Shankar, A., Kumar, J. J. Sharadha, N., and Krishna, G. R.	Dr. Raju J. Reddy	New. J. Chem. 2022, 46, 4784- 4791	2022/46	3.925
67	CHEMISTRY	Solvent-Dependent Mono- and Bis- Thiolation of (E)-[]- Iodovinyl Sulfones with Thiols for Flexible Synthesis of 1,2- Thiosulfonylalkenes and 1,2-Dithioalkenes	Reddy, R. J.* Kumari, A. H., Sharadha, N. and Krishna, G. R.	Dr. Raju J. Reddy	J. Org. Chem. 2022, 87, 3934-3951.	2022/87	4.198
68	CHEMISTRY	Base-mediated [3+2]- cycloannulation strategy for the synthesis of pyrazolo[1,5- a]pyridine derivatives using (E)-6-iodovinyl sulfones	Reddy, R. J.* Sharadha, N. Kumari, A. H.	Dr. Raju J. Reddy	Org. Biomol. Chem., 2022,20, 4331-4337	2022/20	3.890

69	Chemistry	SARS-CoV-2 variants and spike mutations involved in second wave of COVID-19 pandemic in India	Radhakrishna Muttineni, Binitha R.N, Kalyani Putty, Kavitha Marapakala, Sandra K.P., Jaslin Panyam, Aravind Vemula, Shashi Mohan Singh, Subin Balachandran, Viroji Rao S.T. Anand Kumar Kondapi	Dr. M. Kavitha	Transbound Emerg Dis	March 2022		4.521	doi: 10.1111/tbed. 14508.
70	Chemistry	Synthesis, structural characterization, in vitro DNA binding, cytotoxic activity properties of Ru(II) compounds containing NTIP and BTIP ligands	A. Dayanand, A. Vasantha, V.D. Shukla, Ch. Nagamani, P. Venkat Reddy, V. Ravi Kumar, K. Laxma Reddy, Prof. S. Satyanarayan a	Dr. K. Laxma Reddy	IJARSCT	Vol.12, Issue 4, Dec 2021	2581- 9429		
71	Chemistry	"Enhanced photocatalytic activity of CdWO4/BaTiO3 heterostructure for Dye degradation",	S. P. Sai Sushma, G. Swarupa, T. Nagesh, Someshwar	B. Vijaya Kumar	New Journal of Chemistry	2021	1144- 0546	3.591	doi.org/10.1 039/D1NJ01 556G

		New J. Chem. 45 (2021) 19723-732.	Pola, P. Rajitha, B. Vijaya Kumar and G. Upender,						
72	Chemistry	Design and synthesis, biological evaluation of bis-(1,2,3- and 1,2,4)-triazole derivatives as potential antimicrobial and antifungal agents	Sampath Bitla, Akkiraju Anjini Gayatri, Muralidhar Reddy Puchakayala, Vijaya Kumar Bhukya, Jagadeshwar Vannada, Ramulu Dhanavath, Bhaskar Kuthati, Devender Kothula, Someswar Rao Sagurthi, Krisham Raju Atcha	B. Vijaya Kumar	Bioorganic & Medicinal Chemistry Letters	2021	0960- 894X	2.823	doi: 10.1016/j.bm cl.2021.1280 04.
73	Chemistry	"Vibrational, thermal and optical studies of 30TeO ₂ -39.5B ₂ O ₃ -(30-x)ZnO-xLi ₂ O-0.5V ₂ O ₅ (0=x = 30 mol%) glass system",	M. Anand Pandarinath, Muralikrishna, D. Suresh Babu, B. Vijaya Kumar, G. Upender	B. Vijaya Kumar	Journal of Non Crystalline Solids	2021	0022- 3093.	4.453	doi.org/10.1 016/j.jnoncr ysol.2021.12 0875
74	Chemistry	Antiferromagnetic spin correlations above the bulk	Tai-Yue Li, Ming-Kang Ho, Tus-En	B. Vijaya Kumar	Applied Surface Science	2022	0169- 4332	6.707	DOI: https://doi.o

		ordering temperature	Hsu, Hsin-						rg/10.1016/j.
		in NiO nanoparticles:	Hao Chiu,						apsusc.2021.
		Effect of extrinsic	Kuan-Ting						152081
		factors,	Wu, Jen-Chih						
			Peng, Chun-						
			Ming Wu,						
			Ting Shan						
			Chan, B						
			Vijaya Kumar,						
			P Muralidhar						
			Reddy, Shyue-						
			Chu Ke, Chia-						
			Liang Cheng,						
			Ashish						
			Chhaganlal						
			Gandhi,						
			Sheng Yun						
			Wu						
75	Chemistry	Synthesis and	A. Sanjeev <u>,</u> N.	B. Vijaya	Russian	2022	1070-	0.72	DOI:
		Anticancer Activity of	N. Reddy, S.	Kumar	Journal of		4280		10.1134/\$107
		3,4,5-	Bhaskar, R.		Organic				0428022010
		Trimethoxycinnamami	Rohini, A. K.		Chemistry				122
		de-Tethered 1,2,3-	Raju, B. V.						122
		Triazole Derivatives	Kumar, A.						
			Huc, and P.						
			M. Reddy						
76	Chemistry	Modulation of	Ashish	B. Vijaya	ACS Appl.	2022	1422-	5.097	https://doi.o
		Magnetic and	Chhaganlal	Kumar	Nano Mater.		0067		rg/10.1021/a
		Luminescence	Gandhi, Hsin-						csanm.2c03
		Properties via Control	Hao Chiu,						092
		Cu-Doped in CdWO ₄	Ming-Kang						072
		Nanorods for	Ho, Tsu-En						
		Photocatalytic	Hsu, Tai-Yue						
		Applications	Li, Yu-Hao						
			Wu, B. Vijaya						
			Kumar, P.						

			Muralidhar Reddy, Bi- Hsuan Lin, Chia-Liang Cheng, and Sheng Yun Wu						
77	Chemistry	One-Pot Hydrothermal Preparation and Defects Enhanced Photocatalytic Activity of Bi doped CdWO4 Nanostructures	Kura Narsimha, N. Anuradha, Kathi Sudarshan, Ashish Chhaganlal Gandhi, A. Krishnam Raju, P. Muralidhar Reddy, Radhika Mone, G. Upender, B. Vijaya Kumar	B. Vijaya Kumar	Physical Chemistry Chemical Physics	2022	1463- 9076 (print); 1463- 9084 (web)	3.945	https://doi.o rg/10.1039/ D1CP02885 E
78	Chemistry	Precise Sn-Doping Modulation for Optimizing CdWO ₄ Nanorod Photoluminescence	K. Manjunatha, Ming-Kang Ho, Tsu-En Hsu, Hsin- Hao Chiu, Tai-Yue Li, B. Vijaya Kumar, P. Muralidhar Reddy, Ting San Chan, Yu- Hao Wu, Bi- Hsuan Lin,	B. Vijaya Kumar	Int. J. Mol. Sci.	2022	1422- 0067	6.208	https://doi.o rg/10.3390/i jms2323151 23

			Artashes Karmenyan, Chia-Liang Cheng, Ashish Chhaganlal Gandhi and Sheng Yun Wu						
79	Chemistry	Acetic Acid-Water Mediated Efficient One-Pot Synthesis of Functionalized Isoxazolyl Amino Chromeno[4,3- b]pyridine Derivatives,	Ravinder Reddy Danda, P. Muralidhar Reddy, A. Krishnam Raju, V. Naveen Reddy, K. Santosh Kumar and B. Vijaya Kumar	B. Vijaya Kumar	Asian Journal of Chemistry	2023	0975- 427X	0.16	doi.org/10.1 4233/ajche m.2023.269 26
80	Chemistry	Characterization and photocatalysis of visible-light-driven Z-scheme Bi ₂ WO ₆ /Bi ₂ MoO ₆ heterojunction for Rhodamine B degradation,	B. Ashok, K. Ramesh, D. Madhu, T. Nagesh, B. Vijaya Kumar, G. Upender,	B. Vijaya Kumar	Inorg. Chem.Comm.	2023	1387- 7003.	3.428	doi.org/10.1 016/j.inoche .2023.11049 5
81		Synthesis, characterization and antimicrobial evaluation of some novel (3- methyl-5-((3- phenylisoxazol-5-yl) methoxy) benzofuran- 2- yl)(phenyl)	A Kishore, Kumar, V Sunitha, P Shankaraiah, P Jalapathi*	P Jalapathi	Indian Journal of Chemistry- Section B [NIScPR-CSIR, India]	60B(08) 2021	0975- 0983	0.592	

	methanones							
82	Some Novel [6- (Isoxazol-5- ylmethoxy)-3- methylbenzofuran- 2-yl] phenylmethanone Derivatives, Their Antimicrobial Activity, and Molecular Docking Studies on COVID- 19	N Umapathi, B Shankar, M Raghavender , T Vishnu, P Jalapathi*	P Jalapathi	Russian Journal of General Chemistry [Springer Nature]	92(2)2 022 -	1070- 3632	0.779	
83	Molecular docking studies on COVID-19 and antibacterial evaluation of newly synthesized 4- (methoxymethyl)-1,2,3- triazolean analogues derived from (E)-1- phenyl-3- (2-(piperidin-1-yl)quinolin-3-yl) prop-2-en-1-one	M Nagamani, T Vishnu, P Jalapathi M Srinivas *	P Jalapathi*	Journal of the Iranian Chemical Society [Springer Nature]	19(4)202	1735- 2428	2.271	
84	SYNTHESIS AND IN VITRO CYTOTOXIC EVALUATION OF NOVEL TRIAZOLE- BENZIMIDAZOLE EMBODIED PYRAZOLE DERIVATIVES AGAINST BREAST CANCER	Bala Narsimha Dhoddi, Ravi Kurapati, Govardhan Reddy Kundur2 , Sampath Bitla2	P Jalapathi*	Rasayan Journal of Chemistry [Springer]	15(2) 2022	0976- 0083	1.30	

		, Balaswamy Puligilla3 , and Jalapathi Pochampally						
85	Synthesis, antimicrobial and antioxidant activity of triazole, pyrazole containing thiazole Derivatives and Molecular docking studies on COVID-19	Matta Raghavender, Jalapathi Pochampally* , Bala Narsimha Dhoddi, Bhookya Shankar, Sampath Bitla, Anjini Gayatri Akkiraju	P Jalapathi*	BMC Chemistry (In Press)	2022	2661- 801X	4.095	
86	Synthesis of newer substituted chalcone linked 1, 2, 3-triazole analogs and evaluation of their cytotoxic activities	Matta Raghavender, Bhookya Shankar, Nalla Umapathi, Pochampally Jalapathi*	P Jalapathi*	Heterocyclic Communicati ons	28(1)202	2191- 0197	2.00	

5.2 Number of books published with ISBN reference & citation index analysis

- 1. Prof. P Leelavathi is the Author of Monograph on Monograph on Organic Synthesis-A Strategic Approach-2021, Telugu Academy, ISBN: 978-81-8180-674-1
- 2. Prof. P Leelavathi is the Co-author, Telugu Academy, TS ISBN: 978-81-8180-723-6, Textbook for B,Sc. II semester, 2021.
- 3. Dr. P. Muralidhar Reddy authored Chapters in A text book of Chemistry (For B.Sc II year, Semester-IV, Paper-VI); Edition 2021, Divya Lakshmi Publishers & Distributors, Lohia Nagar, Meerut-25001 (UP), India, ISBN: 9-788195-238446
- 4. Dr D A Padmavathi, Chapter-B.Sc. semester 1V (Both Telugu and English medium), Theories of bonding in metals, 2021, Telugu Academy, TS.
- 5. Dr D A Padmavathi, Chapter-B.Sc. semester III (Both Telugu and English medium), Evaluation of analytical data, 2021, Telugu Academy, TS
- 6. Dr D A Padmavathi, Chapter-B.Sc. semester V (Both Telugu and English medium), Evaluation of analytical data, 2021, Telugu Academy, TS

Prof. P. Leelavathi

	Books a	uthored		Editor o	of Book	
Year	International Publishers	National Publishers	Chapters in Edited Book	International Publishers	National Publishers	ISBN No.
-	-	-	-	-	-	-
2021		Textbook for B,Sc. II semester, (English and Telugu medium)			Telugu Academy	978-81- 8180- 723-6
2021		Monograph on Organic Synthesis-A Strategic Approach			Telugu Academy	978-81- 8180- 674-1

Please attach separate sheet clearly indicating the names and page numbers of the publications along with reprints of the complete publications.

Dr. B. Sakram

Year	Books authored			Editor of Book						
	Internatio nal Publishers	National Publishers	Chapters in Edited Book	International Publishers	National Publishers	ISBN No.				
2022			Organic Chemistry			978-93-90847-90-7				
	Please atta	ch separate sheet cl	early indicating the	names and page numb	ers of the publications a	long with reprints of				
	the complete publications.									
Editor	Kripa Drishti Publications, Pune,									
Dr.	Chapter Edited by DR. B. Sakram									
M.R.Jay	Page No:97-118									
apal										

Dr. A. Hari Padmasri

	Books authored			Editor of Book		
Year	International Publishers	National Publishers	Chapters in Edited Book	International Publishers	National Publishers	ISBN No.

2022	Wiley-VCH		Chapter-7:		ISBN:9783527348497
	GmbH		Selective		
	Editor: Doan		Hydrogenation		
	Pham Minh		and		
	Triditi 74iiriii		Dehydrogenation		
			Using		
			Hydroxyapatite-		
			Based Catalysts		
			•		
			Vijay K.		
			Velisoju, Hari		
			Padmasri		
			Aytam, Venugop		
			al Akula		
			pp. 241-268		
2022		Divya Lakshmi	B.Sc II yr		ISBN:978-93-91576-20-
		Publishers &	Chemistry text		2
		Distributors	book by		
		Meerut (U.P.)	A. Hari Padmasri,		
		Edited by Dr.	G. Pranitha, K.		
		A. Hari	Saritha Rani,		
		Padmasri	Rafiya Sultana, B.		
			Rajini		

Please attach separate sheet clearly indicating the names and page numbers of the publications along with reprints of the complete publications.

Dr. P. Muralidhar Reddy

	Books authored			Editor of	f Book	
Year	Internation al Publishers	National Publishers	Chapters in Edited Book	International Publishers	National Publishers	ISBN No.
2021		A text book of			Divya Lakshmi	9-788195-238446
		Chemistry – Vol.6			Publishers &	

		Distributors							
2022	Encyclopedic	Neelkamal	978-93-90897-47-6						
	Dictionary of	Publications Pvt.							
	Chemistry	Ltd.,							
	Please attach separate sheet clearly indicating the names and page numbers of the publications along with reprints of the								
	complete publications.								

Dr. P. Jalapathi

	Books authored			Editor of	ISBN No.	
Year	International Publishers	Nation al Publishers	Chapters in Edited Book	International	National Publishers	
2022	Devender Mandala Jalapathi Pochampally Raghavender Matta					9786205500408
2022	Jalapathi Pochampally and Raghavender Matta.					9786205497012

Please attach separate sheet clearly indicating the names and page numbers of the publications along with reprints of the complete publications.

5.3 Number of patents applied for and sanctioned during the year

Sl.No	Name of the	Name of	Title of patent	Filed/Approved/	National /	Country	Patent
	Department	the Teacher	filed	Granted	International	Name	Registration
							Number
1	2	3	4	5	6	7	8
1.	Chemistry	P.	Novel Sensitive	Bundesrepublik	International	German	20 2022 105
		Muralidhar	and Advanced	Deutschland			300 IPC: G01
		Reddy	Clinical Mass				33/82

		Spectrometry Kit for Evaluation of Vitamin-D Deficiency				
Chemistry	P.Jalapathi	Antiproliferative 1,2,3-Triazole Analogues	Approved	National	INDIA	202241026111
Chemistry	P.Jalapathi	Antiproliferative- active Piperzino methyl Triazole compounds	Approved	National	INDIA	202241033244

5.4 Consultancy ventures and income earned: -NIL-

SI.N	Name of	Name	Title	Organizati	National/	Country	Natur	Funds	Funds	Sanctioned	Ongoing
0	the	of the	of	on	International		e of	Sanctione	Released	Date(or)Co	/
	Department	Teacher	projec				Consul	d	till now	mpleted	Complet
			τ				tancy			Date	ed
1	2	3	4	5	6	7	8	9	10	11	12
										· · · · · · · · · · · · · · · · · · ·	

5.5 Distinctions/honours/awards won by the faculty

- 1. **Prof. Shivaraj** appointed as Executive member of Telangana State Council of Higher Education.
- 2. **Prof. Shivaraj** appointed as Member, National Monitoring Committee for Education of SCs, STs and Persons with Disabilities by MHRD, Gol, New Delhi, India.
- 3. Prof. Shivaraj appointed as Boards of Governors of NIPER, Hyderabad, India
- 4. Prof. Shivaraj appointed as Members of the University Grants Commission (UGC), New Delhi, India
- 5. Dr. P. Muralidhar Reddy elected as member Toxicology and Biomedicine Research Group, Faculty of Applied Sciences, Ton Duc Thang University, Ho Chi Minh City, Vietnam

- 6. Dr. P. Muralidhar Reddy received "MOTHER TERESA GOLD MEDAL AWARD", for "National Economic Growth through Individual Contribution" in various fields of Science, Medicine, Research, Industry and Social Service to strengthen India's unity and economic development on 22nd May 2021 by Global Economic Progress & Research Association (Registration No. 283, Act XXVII of 1975), Tamil Nadu, India.
- 7. **Dr. Raju Jannapu Reddy:** Paper entitled: "Ni–Catalyzed Difunctionalization of Alkynyl Bromides with Thiosulfonates and N-Arylthio Succinimides: A Convenient Synthesis of 1,2-Thiosulfonylethenes and 1,1-Dithioethenes," was Shortlisted for the "Synthesis Best Paper Award-2021"

Sl.No	Name of the Department	Name of the teacher	Name of the Award	International/ National / State level	Nature of award	Date
1	2	3	4	5	6	
1.	Chemistry	P. Muralidhar Reddy	Mother Teresa Gold Medal Award	National	National Economic Growth through Individual Contribution	22 nd May 2021
2.	Chemistry	P. Muralidhar Reddy	BEST TEACHER AWARD-2021	State		5th September, 2021

5.6 Membership of the Faculty in important national bodies

- ♣ Member of American Chemical Society.
- ♣ Member of Royal Society of Chemistry.
- ♣ Member of International Society of Heterocyclic Chemistry.
- ♣ Life Member of Indian Science Congress.
- Life Member of Chemical Research Society of India.
- Life Member of Indian Chemical Society.
- ♣ Life Member of Indian Council of Chemists.
- Life Member of Indian Society of Chemists and Biologists.
- Life Member of Indian Association of Chemistry Teachers.
- Life Member of Indian Institute of Public Administration.
- Life Member of Electrochemical Society of India, Bangalore.
- Life Member of The Society for Advancement of Electrochemical Science and Technology, Karaikudi.

- Life Member of Materials Research Society of India (MRSI)
- Life Member of International Congress of Chemistry and Environment.
- ♣ Life Member of Catalysis Society of India
- Life Member of International Society of Teachers and Researchers in Chemistry (ISRTC) & Journal of Teaching and Research in Chemistry (JTRC)
- ↓ Life Member of Osmania University Chemistry Alumni Association
- ♣ Fellow of Telangana Academy of Sciences
- Member of Taiwan society for mass spectrometry (TSMS)
- ♣ Associate Fellow of Telangana Academy of Sciences

CLNIa	Name of the	Name of the	Membership /	Organization	International / National /
Sl.No	Department	teacher	Distinction earned		State level
1	2	3	4	5	6
1.	Chemistry	Dr B Sakram	Life member	Indian Science Congress	National
2.	Chemistry	Dr B Sakram	Life member	Indian Council Of Chemist	National
3.	Chemistry	Dr.B. Vijaya Kumar	Life Membership	Indian Science Congress Association	National
4.	Chemistry	Dr.B. Vijaya Kumar	Life Membership	Indian Council of Chemists	National
5.	Chemistry	Dr.B. Vijaya Kumar	Life Membership	Materials Research Society of India	National
6.	Chemistry	Dr.P. Muralidhar Reddy	Life Membership	Indian Science Congress Association	National
7.	Chemistry	Dr.P. Muralidhar Reddy	Life Membership	Indian Council of Chemists	National

5.7 Faculty attended / chaired session in Seminars / Conferences / events (National & International)

SI.No	Department	Title of Seminar/ Conference	Name of the Teacher	National / International	Duration & dates	Sponsoring agencies	Remarks
1	2	3	4	5	6	7	8
1.	Chemistry	2-day National seminar on "Emerging Trends in Chemical and Materials Science Research."	Dr G.Vijaya charan	National	25 th & 26 TH February 2022		
2.	Chemistry	Use of Web of Science and Endnote in Research	Dr G.Vijaya charan	National	11 th ,Nov,2022		
3.	Chemistry	2-day International Virtual Conference on Disciplinary, Interdisciplinary and Multidisciplinary Research 2021	Dr P Saritha Reddy	International	14 – 15 th October 2021, IVC-DIMR Conference.		
4.	Chemistry	XXXX Annual Conference ICC Indian Council of Chemists	Dr P Saritha Reddy	National	29 th -30 th December, 2021.		
5.	Chemistry	2-day National seminar on "Emerging Trends in Chemical and Materials Science Research."	Dr P Saritha Reddy	National	21 & 22 January 2022		

6.	Chemistry	2-day International conference on " Chemical Advances for Sustainable Development CASD 2022"	Dr P Saritha Reddy	International	12 th and 13 th April 2022.		
7.	Chemistry	Chemistry based programs in Taksh, the Open house celebrations	Dr. D.A. Padmavati	National	24th – 26th March 2022		
8.	Chemistry	CHEM FEST 2022	Dr. D.A. Padmavati	National	5th Mar 2022		
9.	Chemistry	Chaired the Oral Presentations Session of Physical Chemistry Section in Annual conference Indian Council of Chemists -2021	Dr. A. Hari Padmasri	National	29 th -31 st December 2021.	Indian Council of Chemists	
10.	Chemistry	Invited Talk on "Thermodynamics " in the Virtual Lecture Series on Basics in Chemistry to PG students on 23rd July 2021	Dr. A. Hari Padmasri	National	23 rd – 26 th July 2021.		
11.	Chemistry	Emerging Trends in Chemical and	P. Muralidhar	National Seminar	Two days - 25th and 26th	Department of Chemistry,	P. Muralidha

		Materials Science Research" (ETCMSR-2022)	Reddy		February 2022	SR & BGNR Govt. Arts & Science College, Khammam - TSCOST	r Reddy acted as Chair person
12.	Chemistry	Current Trends & Futuristic Challenges in Chemical Sciences	P. Muralidhar Reddy	International Seminar	Two days - 29th and 30th July 2022		P. Muralidha r Reddy acted as Rapporteu r
13	CHEMISTRY	JNOST	Prof. A. K. Sahoo	National	Jan 2022	NOST	
14	Chemistry	International winter school 2022 on Frontiers in Materials Science	Dr. B. Vijaya Kumar	International Seminar	05 th -9 th Dec 2022		
15	Chemistry	Emerging Trends in Chemical and Materials Science Research" (ETCMSR-2022)	Dr. B. Vijaya Kumar	National Seminar	Two days - 25th and 26th February 2022	Department of Chemistry, SR & BGNR Govt. Arts & Science College, Khammam - TSCOST	Dr. B. Vijaya Kumar
16	Chemistry	Current Trends & Futuristic Challenges in Chemical Sciences	Dr. B. Vijaya Kumar	International Seminar	Two days - 29th and 30th July 2022		Dr. B. Vijaya Kumar acted as Rapporteu r
17	Chemistry	A two day National Seminar on Emerging	Dr. Someshwar Pola	National	25and 26 -02-2022	UGC	

Trends in			
Chemical &			
Materials Science			
Research			
(ETCMSR-2022)			

Details of research work presented in National Seminars / Conferences

Dr G. Vijaya charan

Year	Name of the	Number of	Date From –	Organised by	Whether	Link to the
	workshop/ seminar	Participants	То		presented	Activity
					a paper	report
					(yes/No)	on the
					(of yes	website
					oral/post)	
	2 1 21 1			D		
	2-day National			Department of		
	seminar on "Emerging			Chemistry,		
	Trends in Chemical			SR&BGNR Arts &		
	and Materials Science	_	25 & 26 Feb	Science College,		
2021	Research."	2	2022	Khammam	Yes /Poster	
	2-day International					
	conference on					
	"Chemical Advances					
	for Sustainable					
	Development CASD		12 th and 13 th			
	2022"		April 2022.			
			-	University College		
2022		2		for Women, OU	Yes /Poster	

Dr P Saritha Reddy

Year	Name of the	Number of	Date From –	Organised by	Whether	Link to the
	workshop/ seminar	Participants	То	,	presented	Activity
	·	•			a paper	report
					(yes/No)	on the
					(of yes	website
					oral/post)	
	2-day International					
	Virtual Conference on					
	Disciplinary,		14 – 15 th			
	Interdisciplinary and		October 2021,			
2001	Multidisciplinary		IVC-DIMR		., , ,	
2021	Research 2021	3	Conference.		Yes /oral	
	XXXX Annual					
	Conference ICC					
	Indian Council of					
	Chemists		29 th -30 th			
			December,	Indian Council of		
2021		3	2021.	Chemists	Yes /Poster	
	2-day National					
	seminar on "Emerging			Department of		
	Trends in Chemical		21.6.22	Chemistry, SR&BGNR		
2021	and Materials Science	2	21 & 22	Arts & Science	Vac /Dastan	
2021	Research."	3	January 2022	College, Khammam	Yes /Poster	
	2-day International conference on "					
	Chemical Advances					
	for Sustainable					
	Development CASD		12 th and 13 th			
	2022"		April 2022.	11 min and C II		
2022		2		University College	Vac /Dasta	
2022		3		for Women, OU	Yes /Poster	

Dr. D.A. Padmavathi

Year	Name of the	Number of	Date From –	Organised by	Whether	Link to the
	workshop/ seminar	Participants	То		presented	Activity
					a paper	report
					(yes/No)	on the
					(of yes	website
					oral/post)	
2022	Hot and Multi Electron					
	Mediated					
	Photoelectrochemical			SPARC sponsored		
	Methods of High			IITH-Hokkaido		
	Efficiency Water		21 - 22	university		
	Splitting		January 2022	workshop/Webinar	No	
				SR&BGNR GONT.		
	Emerging trends in			ARTS & SCIENCE		
	Chemical & Materials		25 &26 th	COLLEGE		
	Science Research		February 2022	Khammam	Yes (Post)	

Dr. A Hari Padmasri

Year	Name of the	Number of	Date From –	Organised by	Whether	Link to the
	workshop/ seminar	Participants	То		presented a	Activity
					paper	report
					(yes/No)	on the
					(of yes	website
					oral/post)	
2021	Presented a paper	B Vijayalaxmi, M	29 th -31 st	Organized by	Yes/oral	
	entitled "Solar & Visible	Vijayatha, Md	December	ICC &		
	Light Induced	Sajeeda, A Hari	2021.	Department of		
	Photocatalytic	Padmasri*		Chemistry,		
	degradation of Acid			Satavahana		
	Alizarin VioletN over			University,		

2021	Nano TiO ₂ based catalysts" in Annual conference Indian Council of Chemists - 2021 Presented a paper entitled "Effective Bioglycerol Conversion to Solketal over Sulphated Al-MCM 41 Catalysts" in the Annual conference Indian Council of Chemists -2021	M Balakrishna, A Vennela and A Hari Padmasri*	29 th -31 st December 2021.	Corganized by ICC & Department of Chemistry, Satavahana University, Karimnagar, Telangana	Yes/oral	
2022	Presented a paper entitled "Sulphated Al-MCM 41 Catalysts for the Effective Conversion of Bioglycerol to Solketal" in the Two Day National Seminar on "Emerging Trends in Chemical and Materials Science Research" (ETCMSR-2022).	M Balakrishna, Ch Swaroopa Yadaiah Salwadi and A Hari Padmasri *	25 th & 26 th February 2022	Organized by SR&BGNR. Govt. Arts & Science College (Autonomous), Khammam.	Yes/oral	

Dr.P. Muralidhar Reddy

Year	Name of the	Number of	Date From –	Organised by	Whether presented a	Link to the
	workshop/ seminar	Participants	То	-	paper (yes/No) (of yes	Activity
					oral/post)	report
					•	on the
						website
2021	Virtual International		April 16-17,	Department of	Oral Presentation -	
	Conference on		2021	Chemical	Synthesis,	
	Advances in			Engineering,	Characterization and	
	Chemistry and			Sardar	Biological Applications	
	Chemical			Vallabhbhai	of (E)-N-	
	Engineering 2021			National	(2(methylthio)phenyl)-	
	(ACCE 2021)			Institute of	1-(pyridin-2-	
				Technology,	yl)methanimine	
				Surat	Cobalt (II) Complexes"	
2021	International Virtual		(14-15	Research India	Oral presentation -	
	Conference on		October	Foundation,	Recent Applications of	
	Disciplinary,		2021)	Bhubaneswar-	Functionalized	
	Interdisciplinary and			751002,	Magnetic	
	Multidisciplinary			Odisha, India.	Nanoparticles in	
	Research 2021.				Food, Forensic and	
					Environmental	
					sciences	
2022	Recent Advances		21st & 22nd	APP Karnataka	Oral Presentation -	
	and Global Trends		day of	State Branch in	Functionalized	
	in Pharmaceutical		January 2022	collaboration	Magnetic	
	Sciences			with APP	Nanoparticles for the	
				American	Detection	
				International	Identification of	
				Branch & APP	Pathogens by Mass	
				Analytical	Spectrometry and Bio	
				Chemistry	- Medical Applications	
				Division		
2022	Virtual International		11th and 12th	Department of	Oral Presentation -	
	Conference on		February	Chemistry,	Analytical Method	

	Surface Chemistry		2022	Annamalai	Development and	
	Jairace Chemistry		2022	University	Validation for the	
				Othiversity	Simultaneous	
					Estimation of	
					Metformin and	
					Atorvastatin by Rp-	
					HPLC in Combined	
2022	Tura Davis Vintual	10+	h +a 12+h	Department of	Dosage Form	
2022	Two Days Virtual		th to 13th	Department of	Oral Presentation –	
	International	Ap	oril, 2022	Chemistry,	Applications of	
	Conference on			University	Magnetic Nano Fe₃O₄	
	Chemical Advances			college for	in Environmental,	
	on Sustainable			Women, Koti	Forensic and Food	
	Development (CASD				Sciences	
	2022)					
2022	Two-day		9th and	Department of	Oral Presentation -	
	International	3	Oth July	Chemistry,	Synthesis, Structure,	
	Seminar on		2022	Osmania	Antimicrobial, DNA	
	"Current Trends &			University,	binding and DFT	
	Futuristic Challenges			Hyderabad.	Analysis of Bioactive	
	in Chemical				Cu(II), Ni(II) and	
	Sciences"				Co(II) complexes	
					obtained from	
					(thiophen-2yl)	
					methanamine Schiff	
					base Ligands	
2022	International	15	t to 3rd	Telangana	Oral Presentation -	
	Conference on	Aug	gust 2022	University,	Benzimidazo	
	Ultrasonic and			Dichipally,	Quinazoline Based	
	Material Science for			Nizamabad,	Metal Complexes:	
	Advanced			Telangana in	Synthesis,	
	Technology			association	Characterization and	
	(ICUMSAT-2022)			with Ultrasonic	In vitro Anticancer	
				Society of India	Activity	
2022	Two Day National	2	5th and	Department of	Oral Presentation –	
	Seminar on		26th	Chemistry, SR	Novel Synthesis of	

2022	"Emerging Trends in Chemical and Materials Science Research" (ETCMSR-2022) Two-Day National Conference on Recent Innovations in Smart/Nano Materials	February 2022 29th to 30th April 2022	& BGNR Govt. Arts & Science College, Khammam Department of Physics, University College of Science, Osmania	Oxoindolyl Derivatives from Isatins and Propiolates through DIBAL-H Oral Presentation – Functionalized Iron Oxide Nanoparticles as Microplastic Adsorbents	
	(NCRISNM-2022)		University, Hyderabad, Telangana		
2022	AU- Pharmacon – 2022, 6 th National Conference on Trending Research and Innovations in Pharmaceutical Sciences	22nd & 23rd July 2022	School of Pharmacy, Anurag University, Hyderabad, Telangana	Oral Presentation – Development and Validation of RP-HPLC method in Simultaneous Estimation of Bilastine and Montelukast as tablet dosage form	
2022	Emerging Trends and Innovations in Pharmaceutical Sciences (ETIPS - 2022)	13th & 14th Oct 2022	University College of Pharmaceutical Science, Palamuru University, Mahabubnagar, Telangana	Oral Presentation – Quantitative Determination of Imipramine HCI & its Pharmaceutical Formulation Using FTIR & UV-Vis Spectroscopy	
2022	National Seminar on Bioinorganic & Medicinal Chemistry (BMC-2022)	29th & 30th November 2022	Department of Chemistry, University College, Telangana	Oral Presentation – Design, Synthesis & Biological Evaluation of Some New 1,3,4 Oxadiazoles"	

	University,	
	Nizamabad,	
	Telangana	

Dr.M.Kavitha

Year	Name of the workshop/	Number of	Date From –	Organised by	Whether	Link to the
	seminar	Participants	То		presented	Activity
					a paper	report
					(yes/No)	on the
					(of yes	website
					oral/post)	
	Stability indicating RP-HPLC					
	method development and					
	validation for the simultaneous					
	determination of Empagliflozin					
	and Lingliptin in bulk form and					
	marked pharmaceutical dosage			Department of		
	form" in a two day National			Chemistry,		
	seminar on Emerging Trends in		25& 26	SR&BGNR Arts &		
	chemical & Materials Science		February	Science College,	Yes	
2022	Research (ETCMSR-2022	3	2022	Khammam	/Poster	

Dr. K. Laxma Reddy

Year	Name of the workshop/	Number of	Date From –	Organised by	Whether	Link to the
	seminar	Participants	To		presented	Activity
					a paper	report
					(yes/No)	on the
					(of yes	website
					oral/post)	

	DNA binding of Ru(II)poly					
	pyridyl complexes" in a two					
	day National seminar on			Department of		
	Emerging Trends in chemical &		25& 26	Chemistry, SR&BGNR		
	Materials Science Research		February	Arts & Science	Yes	
2022	(ETCMSR-2022	3	2022	College, Khammam	/Poster	

Dr. B. Vijaya Kumar

Year	Name of the workshop/ seminar	Number of Participants	Date From – To	Organised by	Whether presented a paper (yes/No) (of yes oral/post)	Link to the Activity report on the website
2022	International winter	35	05 th -9 th Dec	JNCASR,	Yes	
	School 2022 on		2022	Bangalore		
2022	Current Trends &		29th and	Department of	yes	
	Futuristic Challenges		30th July	Chemistry		
	in Chemical Sciences		2022	·		

5.8 Subject related extension activities involving interaction with society/community/institutions

Guest Lectures delivered by the Faculty Members:

S.No.	Name of the Faculty	Topic	Place/Date
	member		
1.	P. Leelavathi	Spectral data interpretation-an	By the UGC- HRDC, Osmania University,
		overview at online refresher course in	Hyderabad, Jan-2022
		chemical sciences.	
2.	P. Leelavathi	Synthesis of newer fused qunoline	ICC 2021 December
		heterocycles of biological interest	
3.	P. Leelavathi	Asymmetric Synthesis: An overview" at	St. Ann's College for women, Mehadipatnam,
		FDP on "Enhancing Academic and	Hyderabad, April-2022
		Research Endeavors in Chemistry at	·
		Higher Education Institutions	

4.	Prof. P. Saritha Reddy	Bonding in Metal Complexes	RBVRR Womens college on 22 nd June 2021
5.	Dr.D.A. Padmavati	INSTRUMENTATION: Bringing the instruments into the Lecture Hall	Department of Chemistry, St.Ann's College for Women, Hyderabad
6.	Dr.D.A. Padmavati	Molecular insights through computational analysis	UGC-HRDC ASC OU at REFRESHER COURSE IN CHEMICAL SCIENCES on 20th Jan – 3rd Feb 2022
7.	Dr.D.A. Padmavati	Thermodynamcis	University College for women, Koti, Hyderabad on 29 th Nov 2021
8.	Dr.D.A. Padmavati	Quantum Chemistry	St Pious degree and PG college, Hyderabad on 17 th Nov 2021
9.	Dr. A. Hari Padmasri	"Heterogeneous Catalysis" to M.Sc Physical Chemistry students	PG centre, Mirzapur during April/June 2021.
10.	Dr. A. Hari Padmasri	"Thermodynamics" to UG/PG students	Dept. of Chemistry, RBVRR College for Women, Narayanaguda, Hyderabad on 17 th June 2021.
11.	Dr. A. Hari Padmasri	Invited online lecture on "Nanomaterials" to UG/PG students	Dept. of Chemistry, St. Pious UG & PG Collge, Nacharam, Hyderabad on 1st September 2021
12.	Dr. A. Hari Padmasri	Invited online lecture on "Nanomaterials"	Anwar-ul-uloom PG College, Hyderabad on 18 th Nov' 2021.
13.	Dr. A. Hari Padmasri	Invited webinar lecture on "Essentials of Thermodynamics" to UG/PG students	Dept. of Chemistry, Govt. Degree College for Women, Begumpet, Hyderabad on 16 th December 2021
14.	P. Muralidhar Reddy	How to Use EndNote Software For Academic Writing	UGC- HRDC, Osmania University 1.12.2021 to 31.12.2021
15.	P. Muralidhar Reddy	Advanced Technologies in Biological and Chemical Science	Government Degree College, Sadasivpet, On 28th January 2022
16.	P. Muralidhar Reddy	The Role of Functionalized Magnetic Iron Oxide Nanoparticles as Mouth Cleaners and Other Biomedical Applications	20.01.2022 to 03.02.2022 by the UGC- HRDC, Osmania University, Hyderabad
17.	P. Muralidhar Reddy	Recent Progress on Functionalized Magnetic Iron Oxide Nanoparticles: Synthesis, Bacterial Capture and Other Biomedical Applications	Department of Chemistry, Annamalai University, 11th and 12th February 2022
18.	P. Muralidhar Reddy	Development of a Rapid and Cost-	25th and 26th February 2022, organized by

		Effective and Feasible Method for the Evaluation of Vitamin D Deficiency Using Advanced Mass Spectrometry Based Methods	Department of Chemistry, SR & BGNR Govt. Arts & Science College, Khammam
19.	Dr. M. Kavitha	Delivered an Invited Talk on "COVID- 19 and Medicinal Plants as Immunity Boosters to the participants of the online faculty induction programme organized by UGC-HRDC, Osmania University, Hyderabad on 22nd February 2022	UGC-HRDC, Osmania University, 22 nd February 2022
20.	Dr. B. Vijaya Kumar	Synthesis of Nanomaterials: An overview	UGC-HRDC, Osmania University, Hyderabad

8 - Brief Report on the analysis of Students Performance – Course-wise (Final Year only)

8.9 Analysis of student performance in the last five years.

SI. No	Course	Studen	ts	2021-	2020-	2019-	2018-	2017-
				2022	2021	2020	2019	2018
1	2	3	4	5	6	7	8	9
			Boys	26	29	28	26	39
1		Registered	Girls	49	46	48	43	39
_		_	Boys	21	21	23	21	31
2		Passed	Girls	40	39	40	35	32
_		_	Boys	80.7%	79.3%	82.0%	80%	79%
3		Percentage	Girls	81.6%	82.6%	83.0%	80.10%	82%

8.10 Scholarships / Fellowships earned by students (State / Council agencies / University).

						Nature	of Scholar	ships		
SI.	Course	No. of	No.	State	Amount	Central	Amount	Univ.	Amount	Total
No		students	awarded	Govt. Govt. Amount						

						Agencies				
1	2	3	4	5	6	7	8	9	10	11

- 8.15 Brief Report on the Alumni Associations, its activities and contribution to the University (about 2 pages)
- The Osmania University Chemistry Alumni Association is formed in the year 2009 by its Founder President Prof. K. Veera Reddy. The Alumni Association activities are in the areas of infrastructural developments, arranging endowments lectures, Institution of (3) Gold Medals to encourage students in the academics.
- Osmania University Chemistry Foundation (OUCF), a group of elite Alumni of the department consisting of the industrialists, bureaucrats and NRIs had been contributing immensely through the Entrepreneur Alumni viz., Dr B Parthasarathi Reddy, CEO of Hetero Drugs Ltd. And Dr M S N Reddy, CEO of MSN Labs in the renovation of MSc labs of the Department.
- A group of Alumni of OUCF & OUCAA formed a Mentors group to guide the research scholars and MSc students towards their career and have been interacting with them. A unique mentoring program is planned to introduce various mentors all over the globe who are successful in their fields to inspire and mentor the scholars and MSc students which is planned to be launched from June 2021.
 - Step-Up Mentoring Program Series A unique program, first of its kind was organized by Osmania University Alumni AssociationNorth America (OUCAA-NA), Osmania University Chemistry Foundation (OUCF) & Dept. of Chemistry, UCS, OU. The aim of this program is to provide support and guide research scholars and students to achieve their career aspirations and professional goals. Under this program, the Alumni Mentors were introduced through interactive sessions and talk by them to Research Scholars and MSc students every week through online mode during June October 2021. By Dr Mahender B Dewal, Dr Madhavi Srikoti, Dr Prasanna Reddy, Dr HSP Rao, Dr Thallada Bhaskar, Dr Venkataramana D, Prof Challa Vijay Kumar, Dr Narahari Sastry, Dr Thota Ganesh, Dr K Aravind Babu
 - Entrepreneur Series of Step-UP Mentoring Program Interactive Sessions by Alumni who have established themselves as successful Entrepreneurs to motivate the research scholars and students to take up Entrepreneurship as a career were organized online in continuation to the earlier Step-UP mentoring program during October November. By Dr Mahender B Dewal, Dr Bhaskar Rao Venepalli, Dr Jagath Reddy, Dr Paidi Yella Reddy.
 - Interative 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 was arranged on 14th October 2021 on her visit to India.
 - Distinguished Guest Lecture by Prof. Saptarshi Majumdar, On "Hovering Around Polymers: A Journey in Multi-Scale Engineering" Department of Chemical Engineering, IIT, Hyderabad was organized for MSc students, Research Scholars and Faculty members on 20th November 2021 at 10:30 a.m organized jointly by OUCF & the Dept. of Chemistry, OU

- Online Felicitation to Dr Srivari Chandrasekhar, Secretary, DST-India by OUCF & Department of Chemistry, OU online on 8 th January 2022 for taking charge as Secretary, DST-India. Many Guests have participated and expressed their views and appreciation in this regard. The felicitation meet was presided and conducted by Dr Bhaskar Rao Venepalli, President, Civentichem, USA & Founder member of OUCF. The Guests who spoke were 1. Padmabhushan Dr A V Rama Rao, former director, CSIR-IICT and Chairman, AVRA Labs 2. Prof D Ravinder, VC, Osmania University 3. Prof B S Murthy, Director, IIT, Hyderabad 4. Prof B J Rao, VC, UOH 5. Prof Ravinder Gupta, VC, Telangana University 6. Dr. J S Yadav, Former Director, CSIR-IICT 7. Prof Challa Vijaykumar, Connecticut University, USA 8. Dr Ch Mohan Rao, Former Director, CSIR-CCMB 9. Dr R B N Prasad, Retd. Chief Scientist, CSIR-IICT 10. Sri A Bhaskar Rao, Retd. IRS & General Secretary, OUCF 11. Prof A Jayasree, Head, Dept. of Chemistry, JNTU-H 12. Prof U Umesh Kumar, Head, Dept. of Chemistry, Osmania University 13. Vote of Thanks by Dr Ravi Prakash Mayreddy, OUCF
- ❖ Sri Thallada Kamalamma and Thallada Ramakotaiah Gold Medal for 1st rank in MSc Physical Chemistry specialisation was introduced in this year (2022) by Dr Thallada Bhaskar, Scientist, IIP Dehradun & 1992-94 batch student of M.Sc. Chemistry of Dept. of Chemistry, OU

13. Academic Profile of the Department – Statistical data

13.1 (a) Status of Faculty Strength

						Number of Posts						
SI.	Sanctioned			Filled				Vacant				
No	Prof	Asso. Prof	Asst. Prof	Total	Prof.	Asso. Prof	Asst. Prof	Total	Prof	Asso. Prof	Asst. Prof	Total
1	2	3	4	5	6	7	8	9	10	11	12	13

(b) Faculty recruitment status during the year

SI.	No. of posts vacant			No. of posts advertised			No. of post filled					
No	Prof	Asso. Prof	Asst.P	Total	Prof	Asso. Prof	Asst.P rof	Total	Prof	Asso. Prof	Asst Prof	Total
		Proi	rof			Proi	roi			Proi	Proi	
1	2	3	4	5	6	7	8	9	10	11	12	13

(c) Permanent teachers on rolls

SI. No	Professors		Assoc.	Professors	Asst. Pr	Total	
	Male	Female	Male	Female	Male	Female	
1	2	3	4	5	6	7	8
	06	07	01	00	05	01	20

13.2. Temporary Teachers (Retired / Re-employed / Working on temporary / ad-hoc basis/ Academic Consultants)

		N	umber	Total
Sl.No	Category of the teacher	Male	Female	
1	2	3	4	5

13.3. Department-wise Seminars / Conferences organized:

SI.No	Departme nt	Title of Seminar/ Conference	Name of the Coordina tor	National / International	Duration & dates	Sponsoring agencies	Remarks
1	2	3	4	5	6	7	8

13.4. Department-wise Workshops / Training programs organized//Name of the Coordinator

SI.No	Department	Workshop/ Training programme	Name of the Coordinator	Teaching / Non- Teaching	Duration & dates	Sponsoring agencies	Remarks
1	2	3	4	5	6	7	8
1	Chemistry	OU-DST-PURSE-II	Prof U Umesh	Teaching	1 Day, 31st	OU-DST-	

		SPONSORED ONE DAY WORKSHOP ON "X-RAY DIFFRACTION & FLOURESCENCE SPECTROSCOPY" was organized by the Dept. of Chemistry, UCS, OU for MSc students and Research Scholars	Kumar		DECEMBER 2021	PURSE-II	
2	Chemistry	A refresher course on "Chemical Sciences"	Prof U Umesh Kumar & Dr. P. Someshwar (Co-coordinator)	Teaching	15 days, 20-01-2022 to 03-02- 2022	UGC- HRDC	

13.5. Details of Minor/Major research projects sanctioned/Completed during the year

SI.No	Department	Name of the Teacher	Major Project(or) Minor Project	Project title	Sponsoring agencies	Amount Rs.	Duration	Ongoing /Completed	Sanctioned Date/Completed Date
1	2	3	4	5	6	7	8	9	10
1	Chemistry	Dr G.Vijaya charan	Minor	"Green synthesis of SeO2 doped metal oxides as an efficient photo catalyst and antibacterial	DST-PURSE program	2,35,000	3 years	completed	2019 -2022

				agents using					
				Tecoma stans					
	Charaista.	D., D	N 4 in a m	leaf extract."	DCT DUDCE	2.25.000	2		2010, 2022
2.	Chemistry	Dr P	Minor	"Green route	DST-PURSE	2,35,000	3 years	completed	2019 -2022
		Saritha		for efficient	program				
		Reddy		synthesis of					
				fluorine					
				containing					
				Schiff bases and					
				their					
				complexes as					
				potent Bio					
				active agents:					
				DNA					
				interaction,					
				Docking, In					
				vitro					
				antimicrobial					
				screening and					
				Cytotoxic					
				studies. "					
3.	Chemistry	Dr A Hari	Minor	"Development	OU-DST-	0.75 L	2021-22	Completed	22/12/2021; 31-
	·	Padmasri		of Nano	PURSE-II			-	01-2022
				Photo-Catalytic					
				Materials for					
				Efficient and					
				Cost-Effective					
				Utilization of					
				Solar Energy in					
				the Conversion					
				of Renewable					
				Alcohols to					
				Hydrogen"					
4.	Chemistry	P.	Major	Development	Ministry of	9,48,250	2022-	Ongoing	August 1, 2022
"	Circinistry	Muralidhar		of a graphene-	Science and	(NTD)	2023	21.80.1.8	
		Reddy		based direct	Technology	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2025		
L		Reddy		Dasca direct	recimology				

				Naisal cell- based mass spectrometry technique for the detection of biomarker molecules	(MOST), R.O.C., Taiwan	Rs. 25, 52, 106/-			
5.	Chemistry	P. Muralidhar Reddy	Minor	Development of a Rapid and Cost-effective Advanced Mass Spectrometry Approach for the Evaluation of Vitamin D Deficiency	Project Related Grants (PRG), DST, Gol & TSCOST	4,00,000	2022- 2023	Ongoing	March 21, 2022
6.	Chemistry	P. Muralidhar Reddy	Minor	Development and Standardization of Immunity Boosting Polyherbal Infusion Bags	Project Related Grants (PRG), DST, Gol & TSCOST	4,00,000	2022- 2023	Ongoing	March 21,2022
				Assembly of Surface Plasmon Resonance- induced Macrocyclic M(II) complexes as photocatalysts driven by visible light Irradiation	DST-PURSE-II programme	2,35,000	2020- 2022	Completed	

7.	Chemistry	Dr. Someshwar Pola, Co-Pl	Major	Development of Multiferroic tapes for Sensing and Energy Harvesting Applications	DMRL-DRDO	15,71,570	2021- 2024	Ongoing	
∞.	Chemistry	Prof. M Vijjulatha	Major		DST SERB Empowerment and Equity Opportunities for Excellence in Science	Rs. 42 Lakhs	2019- 2023	Ongoing	
					CSIR	Rs. 21,80,400	2019-23	Ongoing	
9.	Chemistry	Prof D Ashok	Major		UGC-BSR Faculty Fellowship	Rs. 33 Lakhs	2019-22	Ongoing	
10.	Chemistry	Dr K Shivakumar	Major		CSIR	Rs. 30,20,157	2019-22	Ongoing	

13.6. Department under SAP

				Amount	Research	No. of	Any other
Sl.No	Department	Year of	Phase	Sanctioned	fellowships	seminars	info
		Sanction			sanctioned	conducted	
1	2	3	4	5	6	7	8

13.7. Department under FIST / COSIST / any other.

CI NI			Year of	Amount	Major equipment	Any other
SI.No	Department	Category	sanction	Sanctioned	purchased	info
1	2	3	4	5	6	7

13.8. Department-wise Publications: (Please refer to 5.1)

SI.No	Department	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication Volumes. Issuee	ISSN number	Impact factor of the journal	Link to the recognition in UGC enlistment of the Journal
1	2	3	4	5	6	7	8	9	10
				(Please re	efer to 5	1)			

13.9. Teacher participation in the Seminars / Conferences/ Work shop/symposia: (Please refer to 5.7)

Year	Name of the workshop/ seminar	Number of Participants	Date From – To	Organised by	Whether presented a paper (yes/No) (of yes oral/post)	Link to the Activity report on the website
		(Please re	efer to 5.7)			

13.10. Faculty visits abroad on academic purpose.

SI.No	Name of the Department	Name of the teacher	Institution visited & period of visit	Country	Sponsoring agency	Activity undertaken
1	2	3	4	5	6	7

13.11. Awards / distinctions received by the teacher: (Please refer to 5.5)

	Name of the	Name of	Name of the	International/	Nature of award	Date			
SI.No	Department	the teacher	Award	National / State level					
1	2	3	4	5	6				
	(Please refer to 5.5)								

13.12. Faculty distinction – nominated / elected to State / National / International bodies: (Please refer to 5.5)

Sl.No	Name of the Department	Name of the teacher	Membership / Distinction earned	Organization	International / National / State level
1	2	3	4	5	6
			(Please refer to 5	5.5)	

13.13. Collaborative academic programs with other universities / organizations / industries/abroad : NONE

SI.No	Name of the Department	Name of the program	Nature of Collaboration	Collaborating organization & Country	Objectives of MoU	Date of MoU
1	2	3	4	5	6	7

13.14 No. of M.Phil/ Ph.D scholars admitted /awarded during the year 2021-2022 (01.04.2021-31.03.2022)

S.N	Dept.	Registration	Name	Supervisor	Male/	Caste	MINO	PWD	Title	Fellowship	Fellowshi	Duratio	QUALIFYING	Award
0	Name	No.		name	Female	(OC,BC-	RITY	(YES/	of	type	р	n of	EXAM/ADMI	ed
						(A,B,C,		NO)	thesis		granting	fellows	SSION TYPE	Date
						D,E),SC,					agency	hip	(OU,SET,NET	
						ST)					_		CSIR UGC,	
													OTHERS	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Ph.Ds Awarded:

	Name of the Department	No. of Ph.Ds. degrees awarded	No. tested with plagiarism software
1	2	3	4
	Chemistry	28	28

Prof. Utkoor Umesh Kumar

S.No	Name	Academic Year/ Degree awarded	Title of the PhD Thesis
1	K. R. VIJAYAPAL REDDY Reddy	2021	Synthesis of Some of Dimethyl- Tetrahydro Benzo cycloheptenone Derivatives And Multicomponent Construction of
			Novel Heterocyclic Scaffolds
2	K. CHANDRA REKHA	2022	A Novel Green Synthesis of Silver and Gold Nanoparticles, Characterization and applications.
3	VIJAYA SHEKAR PULUSU	2022	Co-Fe Prussian Blue Analogue and Silica Supported Acids as Efficient Catalysts for Certain Electrophilic Aromatic Substitution Reactions Under Solvothermal And Solvent Free Conditions

Prof. P. Leelavathi

S.No	Name	Academic Year/ Degree awarded	Title of the PhD Thesis
1	J. Soumya	Jan- 2022	Rational design, synthesis and biological evaluation of newer quinoline based hybrid heterocycles
2	P. Bharath Kumar Reddy	Feb - 2022	Synthesis of novel quinoline based heterocyclic compounds and their biological evaluation

Prof. P. Saritha Reddy

S. No	Name	Academic Year/ Degree awarded	Title of the PhD Thesis
1.	Dr. M.Sravanthi	2022	Binary and Ternary Schiff Base Transition metal complexes derived from ohydroxyacetophenone – Synthesis, Spectral, DNA interaction, Biological, Kinetic and In Vivo anti-inflammatory studies
2.	Dr. A. Srinivas Reddy	2022	Development of suitable Analytical methods for identification of base alcohol in liquors and adulterants in toddy.

Prof. Boda Sakaram

S.N	Name	Academic	Title of the PhD Thesis
0		Year/Degree	
		awarded	
1	Kurumanna	August 2021	A Facile Synthesis Of Some New-1,8-Naphthyridinyl Hetero Cycles and Their
	Adem		Biological Screening

Dr. P. Muralidhar Reddy

S. No	Name	Academic Year/ Degree awarded	Title of the PhD Thesis
1.	N. Naresh Reddy	July, 2021	"Design, Synthesis, Anticancer Evaluation and Molecular Docking Studies of New Uracil Based Five Membered Heterocycles"
2.	Siram Siddappa	September, 2021	Synthesis, Characterisation and Applications of Rocket Propellants and Zeolite Encapsulated Metal Complexes
3.	Ananthula Sanjeev	March, 2022	Stability Indicating Analytical Method Development and Validation of Selected Drugs by Using RP-HPLC and LC-MS Techniques

Dr. Raju J. Reddy

S. No	Name	Academic Year/ Degree awarded	Title of the PhD Thesis
1	Dr. Md. Waheed	2022/PhD	Development of novel methodologies for the synthesis and applications of thiosulfonates: a facile construction of 4,5-disubstituted-1,2,3-triazoles, submitted on 25-01-2022 and awarded on 05-July-2022.
2	Dr. A. Shankar	2022/PhD	Studies Towards the Synthesis of N-Sulfonyl Triazoles, Allyl Sulfones and C3-Functionalized Imidazo[1,2-a]pyridines under Metal-Free Conditions, submitted on 29-Apr-2022 and awarded on 18-Nov-2022.

13.15. Department –wise M.Phils awarded : COURSE IS NOT OFFERED BY THE DEPARTMENT

SI.N	o Name of the Department	No. of M.Phils. degrees awarded	No. tested with plagiarism software
1	2	3	4

13.16. Faculty on editorial board of refereed research journals. NONE

Sl.No	Name of	Name	Status on	Name of	ISSN	Periodicity	Year of	Impact
	the	of the	the	the	Number	of	inception	factor of
	Department	Teacher	Editorial	Journal		Publication	of the	the Journal
	-		Board				Journal	
1	2	3	4	5	6	7	8	9

13.17. Number of Patents applied for and obtained

SI.No	Name of	Name of	Title of patent	Filed/Approved/	National /	Country	Patent
	the	the	filed	Granted	International	Name	Registration
	Department	Teacher					Number
1	2	3	4	5	6	7	8
1.	Chemistry	P.	Novel Sensitive	Bundesrepublik	International	German	20 2022 105
		Muralidhar	and Advanced	Deutschland			300 IPC: G01
		Reddy	Clinical Mass				33/82
			Spectrometry Kit				
			for Evaluation of				
			Vitamin-D				
			Deficiency				
2.	Chemistry	P.Jalapathi	Antiproliferative	Approved	National	INDIA	202241026111
	·	•	1,2,3-Triazole				
			Analogues				
3.	Chemistry	P.Jalapathi	Antiproliferative-	Approved	National	INDIA	202241033244
	·	•	active Piperzino				
			methyl Triazole				
			compounds				

13.18. Consultancy projects/ Services: NONE

SI.No	Name of	Name of	Title	Organization	National/	Country	Nature	Funds	Funds	Sanctioned	Ongoing
	the	the	of		International		of	Sanctioned	Released	Date(or)Com	/
	Departmen	Teacher	project				Consul		till now	, ,	

	t						tancy			pleted Date	Complet
											ed
1	2	3	4	5	6	7	8	9	10	11	12

13.19. No. of courses in which project work is introduced as part of the courses. NONE

	Name of the	Name of the	Duration of the	Sponsoring	No. of credits given
Sl.No	Department	Courses	project work	agency	
1	2	3	4	5	6

15. Student Performance profile – Statistical data

15.9 Analysis of student performance at entry level and exit level

Sl.No	UG / PG	Name of the Faculty	Average marks in the qualifying exam at entry level	Average marks in the qualifying exam at exit level
1	2	3	4	5
1. Unive	rsity College	25		
	A) UG	1		
		2		
		3		
		4		
		5		
	B) PG			
		1		
		2		_
		3		

		4	
		5	
2. Affilia	ated College	S	
	A) UG	1	
		2	
		3	
		4	
		5	
	B) PG	1	
		2	
		3	
		4	
		5	

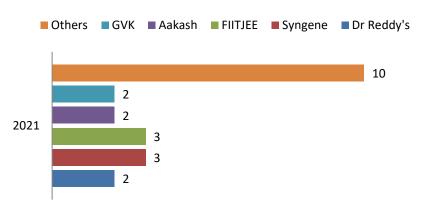
15.21 Students qualified in NET / SLET etc., NONE

SI.No	Subject	No. of students qualified						
		NET	TSSET	UPSC Civil Services	TSPSC G-1	Total		
1	2	3	4	5	6	7		
1								

Any other information:

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

Student Placements



STUDENTS ACHIEVEMENTS

- 1 Ms. Akshata Ms. Priya Sharma & Ms. Sushmitha of 2020-22 batch, MSc II yr have won first prize in the National Science Day quiz competitions held at the Dept. of Physics on 25th Feb'22.
- Mr K Venkatesh, Ms Snehitha Reddy & Mr Vamshidhar won I prize in Chem quiz, Mr Hanumanth, Mr Naveen (MSc I yr) & Ms Divya won II prize in Chem quiz; Ms Akshata & Ms Priya Sharma won I prize and consolation prize in Just a minute event; Mr Sainath & Mr M Sandeep and Mr Fazil won II Prize and consolation prize respectively in e-Poster competitions of the CHEMFEST organized as a part of national science day celebrations held on March 5th 2022 at the Dept. of Chemistry, UCS, OU
- 3 Ms Akshata, Ms Hafsa Jabeen, Ms Divya, Ms Navyasree of MSc II yr got selected for the final rounds of Tutoroot Placements recently in April 2022.
- 4 Mr Tahirali Choudhary of MSc II yr was selected Summer Fellowship 2022 at IIT Bombay, FOSSEE SOUL

Signature
Head of the Department