

**FORMAT –B**

To be filled by **Head** of the Department of Campus / Constituent Colleges  
**OSMANIA UNIVERSITY**  
**101<sup>st</sup> Annual Report for the Year 2019 – 2020**  
**(01.04.2018 to 31.03.2019)**

1. Name of the Department : **CHEMISTRY**
2. Name of the College : **University College of Science**
3. Name of the Head with Qualification : **Prof P Veerasomaiah, 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:
    - Skill Enhancement Courses in Chemistry viz., Safety Rules in Chemistry Laboratory and Lab Reagents and Remedial Methods for Pollution, Drinking Water and Soil Fertility were introduced in Semesters III & IV respectively in BSc syllabus for the academic year 2018-19 onwards.
    - Materials and their Applications and Chemistry of Cosmetics and Food Processing were introduced in Semester V & VI respectively in BSc Syllabus for the academic year 2018-19 onwards.
    - Pharmaceuticals and Materials and their Applications were introduced as Generic electives for the students of other subjects who are opting an elective from chemistry.
  - 4.4 MoUs / Collaboration with National / International institutions –None-
  - 4.6 Research projects –
    - (i) Sanctioned during the year – 4 (under DST-PURSE II) +  
1- CSIR + 1-UGC-BSR
    - (ii) Completed during the year – 2-DST-SERB + 1- UGC Start Up + 11 (UGC-UPE-FAR) +  
1-UGC-UPE FAR
    - (iii) In progress during the year –14 (under DST-PURSE II)  
+ 2 CSIR + 1 DST-SERB

Name of the Investigator	Funding agency	Amount sanctioned	Duration	Project status
Dr Raju Jannapureddy	UGC-Start-up	Rs. 6,00,000	2015-18	Completed
Dr Raju Jannapureddy	SERB-ECR	Rs. 33,10,900	2016-19	Completed
Dr Raju Jannapureddy	CSIR-EMR-II	Rs. 30,00,000	2018-21	Ongoing
Dr P Someshwar	UGC-SERO Minor	Rs.2,40,000/-	2017-19	On going
Dr P Someshwar	DST-SERB	Rs. 37,51,800/-	2015-18	Completed
Dr K Shivakumar	CSIR	Rs. 29,16,756	2018-21	Sanctioned
Prof Shivaraj	DST-SERB	Rs.33,69,200/-	2014-18	Completed
Prof Shivaraj	UGC-UPE(FAR)	Rs.15,00,000/-	2013-18	Completed
Prof D Ashok	UGC	Rs. 10.43 Lakhs	2015-18	Completed
Prof D Ashok	UGC-BSR Faculty Fellowship	Rs 33 Lakhs	2019-22	Sanctioned
Prof M Vijjulatha	DST SERB Empowerment and Equity Opportunities for Excellence in Science	Rs. 42 Lakhs	2019-23	Ongoing
Prof M Vijjulatha	CSIR	Rs. 21,80,400	2019-23	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	One day seminar on "Challenges and Recent Trends in Chemistry" at the Dept. of Chemistry, UCS, OU on as an organizing member	31st August 2018	UGC & OU-DST-PURSE II
2	A 3-Day National Workshop on Molecular Modeling Using Open Source Software	29th - 31st October 2018	UGC-SAP-DRS II
3	One week "Faculty Development Programme in Chemistry for UG Teachers: A Re-orientation to the Restructured CBCS Curriculum" organized under the guidance of UGC-HRDC, OU	13 <sup>th</sup> - 18 <sup>th</sup> , December 2018	TSCHE; RUSA; CDE-OU; Hetero Drugs Ltd.
4	Three Day Workshop on Teaching Pedagogy for PG Teachers in Chemistry in association with Telangana Academy of Sciences	18 <sup>th</sup> - 20 <sup>th</sup> March 2018	UGC-UPE-FAR, OU

#### 4.9 Journals published by the University departments / faculty and Books published by the Publication Division of the University / other publishers –NIL-

#### 4.10 Journals published by the department / faculty and Books published: -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.
- Dr D A Padmavathi Compiled available open sources software modules for molecular modelling studies
- Prof Ch Sarala Devi, Prof P Leelavathi, Prof AKD Bhavani, Dr NJP Subhashini, Dr D A Padmavathi, Dr P V Ananthalakshmi and Dr A Hari Padmasri prepared UG Chemistry Practical Manual
- Prof Ch Sarala Devi, Prof P Leelavathi, Prof AKD Bhavani, Prof M Vijjulatha, Dr NJP Subhashini, Dr D A Padmavathi, Dr P V Ananthalakshmi and Dr A Hari Padmasri prepared PG Chemistry Practical Manual
- Prof Ch Sarala Devi, Prof P Leelavathi, Dr D A Padmavathi, Dr P V Ananthalakshmi and Dr A Hari Padmasri Compiled lecture notes for the new CBCS curriculum for UG Teachers
- Dr D A Padmavathi Compiled Physical Chemistry PG Practicals Demonstration video modules

## 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

5- **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: (Pls see enclosed **Annexure I**); No. of Research papers published: **128**  
**h-index of the Teachers**

S.No.	Name of the Faculty	H-index
1	Prof Ch Saraladevi	06
2	Prof D Ashok	10
3	Prof Shivaraj	12
4	Prof B Sathyanarayana	
6	Prof P Veerasomaiah	07
7	Prof T Parthasarathy	06
8	Prof K Bhaskar	01
9	Prof P Leelavathi	06
10	Prof B Manohar	08
11	Prof M Vijjulatha	10
12	Prof A K D Bhavani	06
13	Dr G Vijaya Charan	04
14	Dr TVD Prasada Rao	03
15	Dr P V Ananthalakshmi	08
16	Dr NJP Subhashini	14
17	Dr D A Padmavathi	05
18	Dr A Hari Padmasri	18
19	Dr P Someshwar	12
20	Dr Raju J Reddy	15
21	Dr K Shivakumar	14

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

1. Molecular Modeling Using Open Source Software's – Manual (For Beginners) Prof. M. Vijjulatha, Dr. S. Sree Kanth and Dr. S. Gururaj.
2. Dr D A Padmavathi authored Chapters in B.Sc III semesters, Telugu Academy publication English version
3. Prof. P Leelavathi is the Co-author of Telugu Academy, TS , Textbook for B,Sc. VI semester.
4. Prof. P Leelavathi is the Author of Monograph on organic synthesis, Telugu Academy, TS

5.3 Number of patents applied for and sanctioned during the year: -none-

5.4 Consultancy ventures and income earned: -nil-

5.5 Distinctions/honours/awards won by the faculty

- (i). Prof Shivaraj received the BEST TEACHER AWARD from the Govt. of Telangana on the 5<sup>th</sup> September 2018.
- (ii). Prof M Vijjulatha and Prof Shivaraj are elected as a Fellow of Telangana Academy of Sciences in April 2018 and January 2019 respectively.
- (iii). Dr K Shivakumar and Dr. Raju Jannapureddy are elected as Associate Fellows of Telangana Academy of Sciences in April 2018 and January 2019 respectively.

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**
- Fellow of **Telangana Academy of Sciences**

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

*Details of research work presented in National Seminars / Conferences*

S.No.	Name of researcher	Title of the conference	Title of the Paper	Year/ Duration	Name of the organizer and address
1	Lecture by Prof. M Vijjulatha	OPENTOX ASIA 2019 – Workshop	“Computational analysis of mutations allows predicting drug resistance/sensitivity against inhibitors”	March 1-3, 2019	CSIR – Indian Institute of Chemical Technology, Hyderabad
2	Sudhir Reddy Peddia, Saikiran Reddy, Sree Kanth Sivan, <b>Vijjulatha Manga*</b>	OPENTOX ASIA 2019 – Workshop	Indole derivatives as Pim 3 inhibitors: Discovery of new molecules through Pharmacophore modeling and 3D QSAR studies	March 1-3, 2019	CSIR -Indian Institute of Chemical Technology, Hyderabad
3	Kishan Chevulaa, Sree Kanth Sivan, Vijjulatha Manga*	OPENTOX ASIA 2019 – Workshop	Molecular modeling studies on aryl derivatives for designing new inhibitors against HIV-1 reverse transcriptase	March 1-3, 2019	CSIR –Indian Institute of Chemical Technology, Hyderabad
4	Lecture by Prof M Vijjulatha	National Workshop on ‘Bioinformatics and Sequence Analysis’ held on 26 <sup>th</sup> -28 <sup>th</sup> April, 2018	<b>“Homology Modeling”</b>	27 <sup>th</sup> April 2018	Department of Zoology, <b>Kakatiya University</b> , Warangal TS, India
5	Lecture by Prof M Vijjulatha	3-day National Workshop on Molecular Modeling Using Open Source Software from 29 <sup>th</sup> -31 <sup>st</sup> October 2018	“Introduction to Computer Aided Drug Design”	29 <sup>th</sup> October 2018	Department of Chemistry University College of Science Osmania University, Hyderabad.
6	Lecture by Prof M Vijjulatha	Workshop on “Molecular Docking Applications in Drug	“Structure based drug design” at	29 <sup>th</sup> October 2018	<b>R.B.V.R.R. Women’s College</b> , Hyderabad
7	Lecture by Prof M Vijjulatha	-day workshop on teaching pedagogy for PG teachers in Chemistry	<b>Computer Aided Drug Design</b>	19 <sup>th</sup> March 2019	<b>Department of Chemistry, Osmania University.</b>
8	Lecture by Prof M Vijjulatha	3-day workshop on teaching pedagogy for <b>PG teachers</b>	<b>QSAR</b>	on 20 <sup>th</sup> March 2019	<b>Department of Chemistry, Osmania University.</b>
9	<u>A invited talk</u> by Dr Raju Jannapureddy	NATIONAL CONFERENCE on “ <b>EMERGING</b>	<i>Diverse Reactivity of Thiosulfonates in Organic Synthesis.</i>	0th - 31st January, 2019	Department of Chemistry, National Institute of Technology Warangal.

		<i>TRENDS IN INSTRUMENTAL METHODS OF CHEMICAL ANALYSIS (ETIMCA-2019)"</i>			
10	Dr A Hari Padmasri presented paper	UGC Sponsored Two Day National Seminar on "Advances in Chemical Research"	"Steam reforming of crude glycerol for the production of hydrogen over supported Ni catalysts"	29th and 30th March 2019.	Kakatiya University, Warangal
11	Prof P Leelavathi gave a lecture	Three-Day Workshop on Teaching Pedagogy for PG Teachers in Chemistry organised by Dept. of chemistry, Osmania University in Mar. 2019	Asymmetric Synthesis	On 19 <sup>th</sup> March 2019	Department of Chemistry, Osmania University
12	Prof Shivaraj	37 <sup>th</sup> Annual Conference of Indian Council of Chemists		12 <sup>th</sup> -14 <sup>th</sup> December , 2018	National Institute of Technology Karnataka (NITK), Surathkal, Mangalore
13	Prof Shivaraj	Frontiers in Chemical Sciences (FICS-2018)		15 <sup>th</sup> September, 2018	Palamuru University, Mahabub nagar
14	A.K.D. Bhavani, P. Shankaraiah, K.Sateesh, M.Sucheta	2-Day National Seminar on Recent Trends in Material Research for Science and Engineering Applications,	Computational Studies of N, N'-Linked Bis Azaheterocycles : - 3, 3'-Bisquinazolin-4,4'-diones and their tetrahydro derivatives	20 <sup>th</sup> and 21 <sup>st</sup> December 2018.	MVSR Engineering College
15	Dr TVD Prasad Rao	Two Day National Seminar on "Advances in Chemical Research (ACR-19)		29 <sup>th</sup> & 30 <sup>th</sup> March 2019	Department of Chemistry, Kakatiya University
16	Prof D Ashok	106 <sup>th</sup> Indian Science Congress		3-7 <sup>th</sup> Jan, 2019	LP University, Jalandhar

17	Prof D Ashok	37 <sup>th</sup> Annual conference of Indian Council of Chemistry		12-14 <sup>th</sup> Dec, 2018	NIT Surathkal
18	Prof D Ashok	105 <sup>th</sup> Indian Science Congress		16 <sup>th</sup> -20 <sup>th</sup> March, 2018	Manipur Central University

***Details of research work presented in International Seminars / Conferences***

S. No.	Name of researcher	Title of the conference	Title of the Paper	Year/ Duration	Name of the organizer and address
1	Sudhir Reddy Peddi, Sahithi Reddy Andru, Sree Kanth Sivan, <b>Vijjulatha Manga*</b>	International Conference on Chemistry for Sustainable future (CFSF 2018)	Combined molecular docking and 3D QSAR studies on indole derivatives as Pim-1 inhibitors	7 <sup>th</sup> -9 <sup>th</sup> Aug 2018	
2	Sudhir Reddy Peddi <b>Manga Vijjulatha*</b> (Oral Presentation)	International Conference on Chemistry for Sustainable future (CFSF 2018)	Discovery of new BMX inhibitors through pharmacophore based virtual screening	7 <sup>th</sup> -9 <sup>th</sup> Aug 2018	
3	Dr A Hari Padmasri presented paper	International Conference On “Emerging Trends in Spectroscopic Techniques and their Applications” (etsta-18)	“Hydrotalcite derived non-noble metal catalysts for selective hydrogenation of levulinic acid at ambient pressure”	3 <sup>rd</sup> & 4 <sup>th</sup> December 2018	University College for Women, Koti
4	Dr A Hari Padmasri	International Conference On “Emerging Trends in Spectroscopic Techniques and their Applications” (etsta-18)	Chaired the session	3 <sup>rd</sup> December 2018	Department of Chemistry, University College for Women, Koti
5	Dr P V Ananthalakshmi	Emerging Trends in Spectroscopic Techniques and their Applications	Water soluble Nickel(II) ternary complexes with Metformin: Multispectroscopic and Molecular Docking Studies of DNA Interactions ( 2 <sup>nd</sup> Best Poster)	1 <sup>st</sup> – 3 <sup>rd</sup> December, 2018	Department of Chemistry, University College for Women, Koti, Hyderabad
6	Dr P V	Emerging Trends in Spectroscopic	Ternary Oxovanadium(IV)-	1 <sup>st</sup> – 3 <sup>rd</sup> December,	Department of Chemistry, University College for

	Ananthalakshmi	Techniques and their Applications	Metformin-Glycine/Histidine complexes :Nonisothermal kinetic parameters	2018	Women, Koti, Hyderabad
7	A invited talk by Dr Raju Jannapureddy.	International Conference on “ <i>FRONTIERS AT THE CHEMISTRY–ALLIED SCIENCES INTERFACE</i> ”	<i>Synthesis and Practical Applications of Thiosulfonates</i>	21-22 December 2018,	Department of Chemistry, University of Rajasthan, Jaipur
8	Prof Shivaraj	International Conference On State Of Knowledge Of Chemistry in Industry And Environment		22-24 <sup>th</sup> June, 2018	Journal of Applicable Chemistry and SVRM College, Nagaram
9	Prof AKD Bhavani gave a lecture	Three-Day Workshop on Teaching Pedagogy for PG Teachers in Chemistry organised by Dept. of chemistry, Osmania University in Mar. 2019		On 18 <sup>th</sup> March 2019	Department of Chemistry, Osmania University
10	Dr TVD Prasad Rao	International Conference on Chemistry for Sustainable Future	Eco-friendly green synthesis of silver nanoparticles by using pomogranate peels	7 <sup>th</sup> to 9 <sup>th</sup> August 2018	Department of Integrated Chemistry, Palamuru University

#### 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 member	Topic	Place/Date
1	Prof M Vijjulatha	Molecular modelling	on 7 <sup>th</sup> April 2018, at Shatavahana University, Karimnagar
2	Prof M Vijjulatha	Computer Aided Drug Design	on 17 <sup>th</sup> April 2018, at Sarojini Naidu Vanitha Maha Vidyalaya Hyderabad Telangana
3	Prof M Vijjulatha	Asymmetric synthesis	on 24 <sup>th</sup> January, 2019 at R.B.V.R.R. Women's College, Hyderabad
4	<b>Prof P</b>	Spectral analysis	“Faculty Development Programme in



	<b>Leelavathi</b>		Chemistry for UG Teachers: A Re-orientation to the Restructured CBCS Curriculum , organised by Dept. of chemistry, Osmania University in Dec. 2018.
5	Prof P Leelavathi	Deriving structures from spectra	Refresher course on Recent trends in chemicalsciences and technology organised by UGC-HRDC(ASC), Osnania University March 2018.
6	Dr D A Padmavathi	“Elementary Quantum Chemistry” for M.Sc students	St. Francis College for women, Begumpet, Hyderabad on 4 <sup>th</sup> January 2019
7	Dr D A Padmavathi	“Electrochemistry” for B.Sc students	LFJ College, Uppal, Hyderabad.on 31 <sup>st</sup> January, 2019
8	Dr D A Padmavathi	“Thermodynamics” for B.Sc students	Khairtabad Degree College, Hyderabad on 12 <sup>th</sup> February 2019
9	Prof P Leelavathi as a Resource Person	Deriving structures from spectra	Three-Day Workshop on Teaching Pedagogy for PG Teachers in Chemistry organised by Dept. of chemistry, Osmania University in Mar. 2019.
10	Prof Shivaraj as a resource person		Human Resource Development Centre (Academic Staff College), 30 <sup>th</sup> June 2018
11	Prof Shivaraj as a resource person	NMR Spectroscopy	“Faculty Development Programme in Chemistry for UG Teachers: A Re-orientation to the Restructured CBCS Curriculum , organised by Dept. of chemistry, Osmania University in Dec. 2018.
12	Prof B Sathyanarayana as resource person	On CBCS Curriculum	“Faculty Development Programme in Chemistry for UG Teachers: A Re-orientation to the Restructured CBCS Curriculum , organised by Dept. of chemistry, Osmania University in Dec. 2018.
13	Prof B Sathyanarayana as resource person	On Coordination Chemistry	“Faculty Development Programme in Chemistry for UG Teachers: A Re-orientation to the Restructured CBCS Curriculum , organised by Dept. of chemistry, Osmania University in Dec. 2018.
14	Prof P Veerasomaiah as resource person	Vibrational Spectroscopy	“Faculty Development Programme in Chemistry for UG Teachers: A Re-orientation to the Restructured CBCS Curriculum , organised by Dept. of chemistry, Osmania University in Dec. 2018.
15	Prof D Ashok as	Stereochemistry	“Faculty Development Programme in

	resource person		Chemistry for UG Teachers: A Re-orientation to the Restructured CBCS Curriculum , organised by Dept. of chemistry, Osmania University in Dec. 2018.
16	Prof AKD Bhavani as resource person	Spectral Analysis	“Faculty Development Programme in Chemistry for UG Teachers: A Re-orientation to the Restructured CBCS Curriculum , organised by Dept. of chemistry, Osmania University in Dec. 2018.
17	Prof P Vijay Kumar as resource person	Medicinal Chemistry	“Faculty Development Programme in Chemistry for UG Teachers: A Re-orientation to the Restructured CBCS Curriculum , organised by Dept. of chemistry, Osmania University in Dec. 2018.
18	Prof Ch Sarala Devi as resource person	Laboratory Reagents	“Faculty Development Programme in Chemistry for UG Teachers: A Re-orientation to the Restructured CBCS Curriculum , organised by Dept. of chemistry, Osmania University in Dec. 2018.
19	Prof AKD Bhavani as resource person		Refresher Course in Recent Trends in chemical Science and Technology, held at Department of Chemistry, UCS, Osmania University, during 15 <sup>th</sup> February to 08 <sup>th</sup> March, 2018.
20	Prof P Veerasomaiah	Physical Principles of Spectroscopy & Vibrational Spectroscopy	<b>PG College, Mirzapur</b>
21	Prof P Veerasomaiah	Structure and Properties of Polymers	<b>PG College, Mirzapur</b>
22	Prof Shivaraj	Symmetry of Molecules	<b>PG College, Mirzapur</b>
23	Dr NJP Subhashini	NMR-I	<b>PG College, Mirzapur</b>
24	Dr P V Ananthalakshmi	Group Theory, Normal Mode of Analysis and Spectral Activity	<b>PG College, Mirzapur</b>
25	Dr A Hari Padmasri	Types of Materials, Conducting Organics & NLO Materials	<b>PG College, Mirzapur</b>
26	Dr TVD Prasad Rao	LASERS in Chemistry	<b>PG College, Mirzapur</b>

S.NO.	Name of the Event	Date
1	<b>Swacch Bharat Abhiyan</b> organized by the department involving all the PG students of the department with the support of NSS, OU in cleaning the premises of the department and the labs and corridors of the department. A <b>lecture by Dr Srinivas Surisetty</b> , Associate Professor, Tata Institute of Social Sciences, Hyderabad on “Environmental Concerns and Sustainable Development: Issues & Challenges” in this regard.	8 <sup>th</sup> September 2018
2	<b>Inquisitive Science Mania</b> , an inter departmental competition was organized by the students of MSc of the department for the PG students of the University college of science and constituent colleges of OU. A <b>motivational talk by Dr Somdatta Karak</b> , Science Communicator & Out Reach, CCMB, Hyderabad on “The Big Question of What Next?” with respect to choosing a career was organized as a part of this event.	3 <sup>rd</sup> November 2018
3	National Periodic Table Day organized in collaboration with ISCA, Hyderabad chapter for the high school students of various schools from the twin cities of Hyderabad and Secunderabad by the students of MSc chemistry of the dept as a part of celebrations of International year of Periodic Table.	7 <sup>th</sup> February 2019
4	Scientia – National Science Day organized under UGC-UPE-FAR programme coordinated by the students of MSc for the UG students of various degree colleges affiliated to OU. A motivational talk on the “Sustainable Agriculture” by <b>Dr G V Ramanjaneyulu</b> , Executive Director, Centre for Sustainable Agriculture, Hyderabad was arranged in this regard.	26 <sup>th</sup> February 2019

## 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.

Sl.No	Course	Students		2018-19	2017-18	2016-17	2015-16	2014-15
1	2	3	4	5	6	7	8	9
1		Registered	Boys		39	42	50	54
			Girls		39	30	28	27
2		Passed	Boys	Results Awaited	31	27	38	41
			Girls	Results Awaited	32	32	22	27
3		Percentage	Boys	Results Awaited	79%	77%	76%	80%
			Girls	Results Awaited	82%	82%	78%	80%

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

Sl. No	Course	No. of students	No. awarded	Nature of Scholarships						
				State Govt.	Amount	Central Govt. Agencies	Amount	Univ.	Amount	Total Amount
1	2	3	4	5	6	7	8	9	10	11
1	Ph D	1	1			UGC-SRF	Rs. 2,54,800=00			Rs. 2,54,800=00
2	PhD	2	2			UGC-SRF	Rs. 4,54,800=00			Rs. 9,09,600=00
3	PhD	1	1			UGC-BSR RFSMS (SRF)	Rs. 4,35,240=00			Rs. 4,35,240=00
4	PhD	1	1			Inspire	Rs. 4,31,520			Rs. 4,31,520
5	PhD	1	1			CSIR-JRF	Rs.4,67,520			Rs.4,67,520
6	PhD	2	2			UGC-JRF	Rs.5,20,800			Rs.10,41,600
7	PhD	3	3			UGC-JRF	Rs.4,61,280			Rs.13,83,840
8	Project Assistant	1	1			DST-SERB	Rs.3,72,000			Rs.3,72,000
9	PhD	1	1			CSIR-SRF	Rs. 5,20,800			Rs. 5,20,800
10	Project Fellow	1	1			UGC-UPE-FAR	RS. 4,16,640			Rs. 4,16,640
11	Project Fellow	1	1			DST-SERB	Rs. 2,23,200			Rs. 2,23,200
12	PhD	5	5			UGC-JRF				
13	PhD	1	1			CSIR-JRF				
14	Project Fellow	1	1			DST-SERB				
15	PhD	1	1			CSIR-JRF	Rs. 3,61,537			Rs. 3,61,537
16	PhD	6	6			UGC-SRF	Rs. 4,36,800			Rs. 26,20,800
17	PhD	2	2			CSIR-JRF	Rs. 3,90,000			Rs. 7,80,000
18	PhD	1	1			WOS-A	Rs. 3,60,000			Rs. 3,60,000
19	PhD	1	1			UGC-SRF	Rs. 4,43,800			Rs. 4,43,800
20	PhD	1	1			CSIR-SRF	Rs. 4,43,800			Rs. 4,43,800
21	PhD	1	1			UGC-JRF	Rs. 4,37,280			Rs. 4,37,280
22	PhD	3	3			CSIR-SRF	Rs. 5,20,800			Rs. 5,20,800
23	PhD	2	2			UGC-JRF	Rs. 4,61,280			Rs. 4,61,280

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. Arranged a lecture on Polymer Analysis by Dr. Oliver Burt, Manager, M/s. Water India Private Limited. Alumni Association has sponsored to renovate Lecture Hall No. I into A/c. Conference Hall, established a Computer Lab in the Department.
- ❖ The Alumni Association has arranged for some guest lectures during 2017-18 by the elite alumni NRI members.
- ❖ Dr Usha Raju and Dr Krishnam Raju, the NRI Alumni of the department donated inverter facility in November 2017 to the lecture hall renovated by them earlier.
- ❖ Dr B Parthasarathy Reddy, Managing Director, Hetero Drugs Pvt. Ltd., Alumnus of the Department had contributed greatly in the restructuring and reviving of the MSc I year Organic and Inorganic Chemistry Labs of the Department. This was done under the coordination of the Alumni Association with Osmania University Chemistry Foundation, a group of elite Alumni of the department consisting of the industrialists, bureaucrats and NRIs. Dr B Parthasarathy Reddy is the president of the group and the programme was coordinated by Dr A Bhaskar Reddy, the Vice-president of the group.
- ❖ On this occasion, a motivational talk by Dr B Parthasarathy Reddy was also arranged by the Alumni Association for the MSc students.
- ❖ As promised by Dr B Parthasarathy Reddy in this occasion five meritorious students were selected from the M.Sc I year based on their semester I results for the summer internship at the R & D centre of Hetero Drugs for about 2 months. The students were trained in synthesis aspects of the Drug manufacturing and the instrumental techniques such as GC, HPLC, AAS etc., for the Drug Analysis. The students were given certificates of training at the end of the programme.
- ❖ An industrial tour was also organized by Hetero Drugs Ltd twice in May 2018 and April 2019 for both M.Sc II year and M.Sc I year batches of all specializations to Hetero Drugs Manufacturing unit, Hyderabad under the coordination of the Alumni Association.
- ❖ A lecture by Dr T Bhaskar, Scientist CSIR-IIP, Dehradun, an Alumnus of the Department on “Opportunities and Challenges for Waste Plastics and Waste Biomass Valorization” was arranged in coordination with Alumni Association for the benefit of the M.Sc students on 12<sup>th</sup> March 2019.

### 13. Academic Profile of the Department – Statistical data

#### 13.1 (a) Status of Faculty Strength

Sl. No	Sanctioned				Number of Posts							
					Filled				Vacant			
	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

Sl. No	No. of posts vacant				No. of posts advertised				No. of post filled			
	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

#### (c) Permanent teachers on rolls

Sl. No	Professors		Assoc. Professors		Asst. Professor		Total
	Male	Female	Male	Female	Male	Female	
1	2	3	4	5	6	7	8
	<b>10</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>23</b>

#### 13.2. Temporary Teachers (Retired / Re-employed / Working on temporary / ad-hoc basis/ Academic Consultants) –none-

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

#### 13.3. Department-wise Seminars / Conferences organized

Sl.No	Department	Title of Seminar/ Conference	National / International	Duration & dates	Sponsoring agencies	Remarks
1	2	3	4	5	6	7
1	Chemistry	“Challenges and Recent Trends in Chemistry” at the Dept. of Chemistry, UCS, OU on 31 <sup>st</sup> August 2018 as an organizing member.	State	1 Day	UGC	

## 13.4. Department-wise Workshops / Training programs organized

Sl.No	Department	Workshop/ Training programme	Teaching / Non- Teaching	Duration & dates	Sponsoring agencies	Remarks
1	2	3	4	5	6	7
1	Chemistry	National Workshop on Molecular Modeling Using Open Source Software	Research	3 Days/ 29th - 31st October 2018	UGC-SAP- DRS II	
2	Chemistry	“Faculty Development Programme in Chemistry for UG Teachers: A Re-orientation to the Restructured CBCS Curriculum”	Teaching	One week/13 <sup>th</sup> -18 <sup>th</sup> , December 2018	TSCHE, RUSA- MHRD, UGC-HRDC	
3	Chemistry	Workshop on Pedagogy Teaching for PG Teachers in Chemistry	Teaching	3 Days/18 <sup>th</sup> -20 <sup>th</sup> March 2019.	TAS, UPE-FAR	

## 13.5. Details of Major research projects sanctioned during the year

Sl.No	Department	Name of the Teacher	Project title	Sponsoring agencies	Amount & Duration
1	2	3	4	5	6
1	Chemistry	Prof M Vijjulatha	Empowerment and Equity Opportunities for Excellence in Science: “Computational Analysis of Mutational Effects on HIV-1 Antiretroviral Therapy and Target Oriented Synthesis of Potential Lead molecules”, Sanction No: EEQ/2018/000117	DST SERB	Rs.42,00,000 & 2019-2023
2	Chemistry	Prof M Vijjulatha	“Development of molecular based novel inhibitors on signaling with focus on PI3K-AKT-mTOR pathway” Sanction No: 02(02480)/19.	CSIR	Rs.21,80,400 & 2019-2023
3	Chemistry	Dr K Shiva Kumar	<b>Synthesis of natural products and non-natural analogues via cascade C-H activation/functionalisation</b>	CSIR	Rs. 2916756

6	Chemistry	Prof D Ashok	Access to New Macrocyclic Olefines via C-H Functionalization and Ring Closing Metathesis in Search for Potent Anticancer Drug Candidates	UGC-BSR Faculty fellowship	33,00,000/- & 2019-2022
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## 13.6. Department under SAP

Sl.No	Department	Year of Sanction	Phase	Amount Sanctioned	Research fellowships sanctioned	No. of seminars conducted	Any other info
1	2	3	4	5	6	7	8
	<b>Chemistry</b>	<b>2018</b>	<b>II</b>	<b>67 Lakhs</b>	-	1	

## 13.7. Department under FIST / COSIST / any other.

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

## 13.8. Department-wise Publications

Sl.No	Department	No. of papers published in Refereed journals	Cumulative Impact factor of the publications	Books published	ISBN Nos.
1	2	3	4	5	6
	<b>Chemistry</b>	<b>122</b>	<b>207.39</b>	<b>4</b>	

13.9. Teacher participation in the Seminars / Conferences (**Please refer to 5.7**)

Sl.No	Department	Name of the teacher	Conference / Seminar	Institution & place	Sponsoring agency	Whether presented a paper
1	2	3	4	5	6	7

## 13.10. Faculty visits abroad on academic purpose.

Sl.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

Sl.No	Name of the Department	Name of the teacher	Name of the Award	International/ National / State level	Nature of award
1	2	3	4	5	6
1.	Chemistry	Prof. Shivaraj	Best Teacher Award	State level	Teaching

## 13.12. Faculty distinction – nominated / elected to State / National / International bodies

Sl.No	Name of the Department	Name of the teacher	Membership / Distinction earned	Organization	International / National / State level
1	2	3	4	5	6
1	Chemistry	Prof Shivaraj	<b>Member</b> , Boards of Governors of	NIPER, Hyderabad by Ministry of Chemicals & Fertilizers, New Delhi 18 <sup>th</sup> March 2019-till date	National Level
2	Chemistry	Prof Shivaraj	<b>Fellow</b>	<b>Telangana Academy of Science, Telangana State</b> 15 <sup>th</sup> March 2019-till date	State Level
3	Chemistry	Prof Shivaraj	<b>Member</b>	National Monitoring Committee for Education of SCs, STs and Persons with Disabilities. 14 <sup>th</sup> March, 2018-till date	National Level
4	Chemistry	Prof Shivaraj	<b>Visitors Nominee on Selection Committee meeting,</b>	<b>Nagaland Central University,</b> 22 <sup>nd</sup> March 2018	National Level
5	Chemistry	Prof Shivaraj	<b>Executive member</b>	Telangana State Council of Higher Education,. 7 <sup>th</sup> August 2017-till date	State Level
6	Chemistry	Prof Shivaraj	<b>Member</b> of the committee to study the status of Universities in <b>Telangana State</b>	<b>TSCHE</b> From 24 <sup>th</sup> Sept, 2018 -till date	State Level

13.13. Collaborative academic programs with other universities / organizations / industries -  
**none-**

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

## 13.14. Department-wise Ph.Ds. awarded

Sl.No	Name of the Department	No. of Ph.Ds. degrees awarded	No. tested with plagiarism software
1	2	3	4
	<b>Chemistry</b>	<b>80</b>	<b>80</b>

13.15. Department –wise M.Phils awarded - **course is not offered by the department**

Sl.No	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.

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

## 13.17. Number of Patents applied for and obtained –None-

Sl.No	Name of the Department	Name of the Teacher	No. of patents filed	No. of patents approved	National / International	Country	Patient information
1	2	3	4	5	6	7	8

## 13.18. Consultancy projects –None-

Sl.No	Name of the Department	Name of the Teacher	Organization	National / International	Country	Nature of Consultancy	Funds earned
1	2	3	4	5	6	7	8

## 13.19. No. of courses in which project work is introduced as part of the courses.

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

## 13.20. Department – wise Major research projects completed

Sl.No	Name of the Department	No. of projects completed	Total amount utilized	No. of projects in progress
1	2	3	4	5
	<b>Chemistry</b>			

### 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
<b>1. University Colleges</b>				
	A) UG	1		
		2		
		3		
	B) PG			
		1		
		2		
		3		
<b>2. Affiliated Colleges</b>				
	A) UG	1		
		2		
		3		
	B) PG	1		
		2		
		3		

#### 15.21 Students qualified in NET / SLET etc.,

Sl.No	Subject	No. of students qualified				
		NET	TSSET	UPSC Civil Services	TSPSC G-1	Total
1	2	3	4	5	6	7
1	Chemistry		1-Girl- Ms. Ameena 5-Boys- Mr.Suresh, Mr Sushanth Mr. Sridhar Mr. Ahil Mr. Mahesh			
2						

Any other information.

**Students' Placement Information:**

2017-19 batch students:

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

**Signature**  
**Head of the Department**

## Annexure I: List of Publications of Department of Chemistry

Sl. No.	Author	Publication type	Title	ISSN no./Year of Publication/IF
[1]	[2]	[3]	[4]	[5]
	Name of Author(s) in the format Last name, First name, Middle name	Journal Article / Book / Book Chapter	Full title of the article / Chapter in Book / Book	YYYY
1	Sravani Akula, Swapna Kaamasani, SreeKanth Sivan, <b>Vijjulatha Manga</b> , Dashavantha Reddy Vudem, Rama Krishna Kancha.	<b>J Thorac Oncol.</b> 2018 May; 13(5):721-726	Computational analysis of epidermal growth factor receptor mutations predicts differential drug sensitivity profiles towards kinase inhibitors	<b>2018/IF = 12.46</b>
2	Srilata Ballu, Ramesh itteboina, Sree Kanth Sivan, <b>Vijjulatha Manga*</b>	<b>Computational Biology and Chemistry</b> 73, 95 - 104	Rational Design of Methicillin Resistance Staphylococcus aureus inhibitors through 3D-QSAR, molecular Docking and molecular dynamics simulation	<b>2018/IF = 1.412</b>
3	Saikiran Reddy Peddi, Nihaya Abdulsattar Mohammed, Ammar Adil Hussein, Sree Kanth Sivan, <b>Vijjulatha Manga*</b>	<b>Structural Chemistry</b>	Multiple receptor conformation docking, dock pose clustering and 3D QSAR driven approach exploring new HIV-1 RT inhibitors	<b>2018/IF = 2.019</b>
4	Rama Krishna Munnaluri and <b>Vijjulatha Manga*</b>	<b>Asian J Chem.</b> 30(4), 21145-53	In silico Quest Guided by Physico-chemical Descriptors of Bedaquiline for New Scaffolds with Potential Inhibitory Capacity Against Homology Model of Mycobacterium F1F0 ATP Synthase,	<b>2018 /IF = 0.14</b>
5	Srilatha Ballu, Ramesh	<b>Journal of receptor and signal</b>	Structural insights of Staphylococcus aureus FtsZ	<b>2018 /IF = 2.277</b>

	Itteboina, Sree Kanth Sivan & <b>Vijjulatha Manga</b>	<b>Transduction</b> , 38(1), 61-70.	inhibitors through molecular docking, 3D-SAR and molecular Simulations	
6	Bhookya Shankar, Pochampally Jalapati, Balabadra SaiKrishna, Shyam Perugu <b>Vijjulatha Manga</b>	Chemistry Central Journal 12:1	Synthesis, ant-microbial activity of some novel substituted (5-(3-(1 <i>H</i> -benzo[d]imidazole-2-yl)-4-hydroxybenzyl)benzofuran-2-yl)(phenyl)mentanone analogs	<b>2018/IF = 2.442</b>
7	Dongamanti Ashok, Srinivas Gundu, Vikas Kumar Aamate, Mohan Gandhi Devulapally, Raju Bathini, <b>Vijjulatha Manga</b>	<b>Journal of Molecular structure</b> 1157, 312-321.	Dimers of coumarin-1,2,3-triazole hybrids bearing alkyl spacer: Design, microwave-assisted synthesis, molecular docking and evaluation as antimycobacterial and antimicrobial agents	<b>2018/IF = 2.011</b>
8	Sonyanaik Banoth, Sakram Boda, Shyam Perugu, SaiKrishna Balabadra, <b>Vijjulatha Manga</b>	<b>Res Chem Intermed.</b>	Design, synthesis, biological evaluation and in silico molecular docking studies of novel benzochromeno[2,3- <i>d</i> ]thiazolopyrimidine derivatives	<b>2018/IF = 1.674</b>
9	Srilatha Ballu, Ramesh Itteboina, Sree Kanth Sivan, <b>Vijjulatha Manga*</b>	<b>Struct Chem</b>	Pharmacophore modeling, 3D-QSAR, docking and molecular dynamic simulations on topoisomerase IV inhibitors of wild type <i>Staphylococcus aureus</i>	<b>2018/IF = 2.019</b>
10	Ramesh Gondru Saikiran Reddy Peddi <b>Vijjulatha Manga</b> Manjulatha Khanapur Rajitha Gali Narsimha Sirassu Rajitha Bavantula	<b>Molecular Diversity</b>	One-pot synthesis, biological evaluation and molecular docking studies of fused thiazolo[2,3- <i>b</i> ]pyrimidinone-pyrazolylcoumarin hybrids	<b>2018/IF = 2.229</b>
11	Saikiran Reddy Peddi & Sree Kanth Sivan &	<b>Struct Chem</b>	Discovery and design of new PI3K inhibitors through pharmacophore-based	<b>2018/IF = 2.019</b>

	Vijjulatha Manga*		virtual screening, molecular docking, and binding free energy analysis	
12	Lingaiah Boddu, Ashok Kumar Pagudala, Durgaiah Gandamalla, Saikrishna Balabadra, <b>Vijjulatha Manga</b> , Narsimha Reddy Yellu, Subhashini N.J.P	<b>Journal of Molecular Structure</b> 1166 (2018) 362-368.	Synthesis, anticancer activity and docking studies of N-phenyl-2-(2-((4-phenyl piperazin-1-yl) methyl)-1H-benzo [d] imidazol-1-yl)acetamides,	<b>2018/IF = 2.011</b>
13	Saikiran Reddy Peddi, Sree Kanth Sivan & <b>Vijjulatha Manga*</b>	<b>Journal of Biomolecular Structure and Dynamics</b> , 2018 36(2), 486-503.	Molecular dynamics and MM/GBSA-integrated protocol probing the correlation between biological activities and binding free energies of HIV-1 TAR RNA inhibitors	<b>2018/IF = 4.986</b> (Cited by 10)
14	Janaiah Chevula, Saikrishna Balabadra, Sree Kanth Sivan and <b>Vijjulatha Manga*</b>	<b>Asian J Chem</b> ; Vol. 30, No. 9 (2018), 1944-1952.	A Quest for New Antimalarial Agents with Improved Specificity Guided by Molecular Docking, 3D QSAR and Molecular Dynamics Simulation Studies	<b>2018/IF = 0.14</b>
15	RamaKrishna Munnaluria, Saikiran Reddy Peddi, Sree Kanth Sivan, <b>Vijjulatha Manga*</b>	<b>Computational Biology and Chemistry</b> 78 (2019) 81–94.	Computational studies on N-phenyl pyrrole derivatives as MmpL3 inhibitors in Mycobacterium tuberculosis	<b>2018/IF = 1.331</b>
16	Suresh Kasaboina, Rajitha Bollu, Venkatesh Ramineni, P.Mary Gomadhika, Kavitha Korra, Sai Roopika Basaboina, Uma Devi Holagunda, Lingaiah Nagarapu, Naresh Dumala ,	<b>Journal of Molecular Structure</b> 1180 (2019)	Novel benzosuberone conjugates as potential anti-proliferative agents: Design, synthesis and molecular docking studies	<b>2019/IF = 2.011</b>

	Paramjit Grover, Raju Bathini, <b>M. Vijjulatha</b>			
17	Krishnaiah Vaarla, Santosh Karnewar, Devayani Panuganti, Saikiran Reddy Peddi, Rajeswar Rao Vedula, <b>Vijjulatha Manga</b> , and Srigiridhar Kotamraju	<b>ChemistrySelect</b> 2019, 4, 4324 – 4330.	3-(2-(5-Amino-3-aryl-1H-pyrazol-1-yl)thiazol-4-yl)-2H-chromen-2-ones as Potential Anticancer Agents: Synthesis, Anticancer Activity Evaluation and Molecular Docking Studies	<b>2019/IF = 1.505</b>
18	Ramesh Itteboina, Srilata Ballu, Sree Kanth Sivan & <b>Vijjulatha Manga</b>	Journal of Receptors and Signal Transduction, 38:5-6, 462-474,	Molecular docking, 3D-QSAR, molecular dynamics, synthesis and anticancer activity of tyrosine kinase 2 (TYK 2) inhibitors,	<b>2019/IF = 2.2</b>
19	CH B Praveena Devi, K Vijay, B Hari Babu, Syed Farooq Adil, M Mujahid Alam, <b>M Vijjulatha</b> , Mohd Bismillah Ansari	Journal of Saudi Chemical Society 2019	CuSO <sub>4</sub> /sodium ascorbate catalysed synthesis of benzosuberone and 1,2,3-triazole conjugates: Design, synthesis and in vitro anti-proliferative activity	<b>2019/IF = 2.759</b>
20	<b>N. J. P. Subhashini</b> , B. Bhadrachari, P. Janaki, Gattu Sridhar,	<i>Synthetic communications</i> , <b>2018</b> , 48(5), pp496-499	An Alternative Total synthesis of Patulolide A	<b>2018/IF = 1.377</b>
21	Sravanthi K , Snehalatha P . <b>N. J. P. Subhashini</b>	Journal of Heterocyclic Chemistry, <b>2018</b> , 55(2) pp 508-516.	Microwave assisted Green synthesis of pyrazole, 1, 2, 3- triazole based novel benzohydrazones and their antibacterial activities	<b>2018/IF = 1.251</b>
22	<b>N. J. P. Subhashini</b> , Y Aparna, LN Sharada, Sivan Sreekanth	<i>Russian Journal of General chemistry</i> , <b>2018</b> (In Press).	Synthesis, Characterization, Molecular docking and antimicrobial activity of new arylidene-substituted imidazole.	<b>2018/IF = 0.643</b>
23	Nayeem Pasha <sup>a*</sup> , P Krishna Kumari <sup>b</sup> , N	Indian Journal of Chemistry, Vol. 58A, March <b>2019</b> ,	Conversion of fructose into 5-hydroxymethylfurfural over mesoporous-ZrO <sub>2</sub> -	<b>2019/IF = 0.483</b>



	Vamsikrishna <sup>a</sup> , N Lingaiah <sup>b</sup> , <b>N. J. P. Subhashini<sup>a</sup></b> & Shivaraj <sup>a*</sup>	pp. 313-320.	phosphomolybdic acid nanocomposite catalysts,	
24	S. Sandhya Rani, Shivaraj <sup>*</sup> , <b>N. J. P. Subhashini,</b>	International Journal of Pharmaceutical Sciences and Research, <b>2018</b> , 10 (6), 2838-2844	Synthesis of novel 1,3-indanedione derivatives and pharmacological evaluation as anti microbial, anti oxidative agents.	<b>2018/IF =</b>
25	S. Sandhya rani, shivaraj, <b>Subhashini N. J. P.</b>	<i>Indo american journal of pharmaceutical science</i> , <b>2018</b> , 5 (13), 1969-1979.	Design, synthesis and pharmacological evaluation of novel 1,3-indanedione derivatives	<b>2018/IF =</b>
26	<b>N.J.P. Subhashini</b> , E. Praveenkumar, Gurrapu. Nirmala, Vishwanadham Y erragunta,	Journal of Molecular Structure, <b>2018</b> , 1180, 618-628	Design and synthesis of imidazolo-1,2,3-triazoles hybrid compounds by microwave- assisted method: Evaluation as an antioxidant and antimicrobial agents and molecular docking studies	<b>2018/IF = 2.12</b>
27	Lingaiah Boddu, Ashok Kumar Pagudala , Durgaiah Gandam all, ,Saikrishna Balab adra, Vijjulatha Manga, Narsimha Reddy Yellu, <b>Subhashini N. J. P.</b>	Journal of Molecular Structure, <b>2018</b> , 1166, 362-368	Synthesis, anticancer activity and docking studies of N-phenyl-2-(2- ((4-phenyl piperazin-1-yl) methyl)-1H-benzo [d] imidazol-1-yl) acetamides	<b>2018/IF = 2.12</b>
28	<b>N. J. P. Subhashini</b> , Y Aparna, LN Sharada, Sivan Sreekanth	<i>Russian Journal of General chemistry</i> , <b>2018</b>	Synthesis, Characterization, Molecular docking and antimicrobial activity of new arylidene- substituted imidazole.	<b>2018/IF = 0.643</b>
29	<b>N. J. P. Subhashini</b> , B.Bhadraiah, P.Janaki	<i>Russian Journal of General Chemistry</i> , <b>2019</b>	Synthesis and Biological Evaluation of <i>N</i> - Arylpyrazole- Imidazolopyridine Derivatives as Anticancer Agents	<b>2019/IF = 0.643</b>

30	Lingaiah Boddu and <b>N. J. P. Subhashini*</b>	<i>Russian Journal of General chemistry</i> , <b>2019</b> (In press).	Synthesis and antimicrobial activity of 2-phenyl-1, 2, 3, 4-tetrahydro benzo [4, 5] imidazo [1,2 a] pyrazine derivatives	<b>2019/IF = 0.643</b>
31	Y.Aparna <sup>a</sup> , Prof LN Sharada <sup>a*</sup> , Dr <b>N. J. P. Subhashini<sup>a</sup></b> , G.Nirmala <sup>a</sup> , Sivan Sreekanth <sup>b</sup>	Journal of Heterocyclic Chemistry, <b>2019</b> (In press).	Synthesis, Characterization, Antimicrobial evaluation and Molecular docking Studies of novel bis-1,2,3-triazol-1H-4-yl-substituted aryl benzimidazole-2- thiols	<b>2019/IF = 1.241</b>
32	E. Praveenkumar, Nirmala Gurrapu, Prashanth Kumar kolluri, Vishwanadham Yerragunta, <b>N. J. P. Subhashini</b> ,	Bioorganic Chemistry, <b>2019 (In press)</b> (Available online).	Synthesis, anti-diabetic evaluation and molecular docking studies of 4-(1-aryl-1H-1,2,3-triazol-4-yl)-1,4-dihydropyridine derivatives as novel 11- $\beta$ Hydroxysteroid dehydrogenase-1 (11 $\beta$ -HSD1) inhibitors.	<b>2019/IF = 3.93</b>
33	Kolluri Prashanth Kumar <sup>a</sup> , G. Nirmala <sup>a</sup> , E. Praveen kumar <sup>a</sup> , <b>N. J. P. Subhashini<sup>a*</sup></b> P. Shravani <sup>b</sup> , Surya Satyanarayana Singh	Journal of Heterocyclic Chemistry, <b>2019 (In press)</b> .	Design, synthesis of (Z)-3-benzyl-5-((1-phenyl-3-(3-((1-phenyl-1 H-1,2,3-triazol-4-yl)methoxy)phenyl)-1 H-pyrazol-4-yl)methylene)thiazolidine-2,4- dione analogues as potential cytotoxic agents	<b>2019/IF = 1.241</b>
34	Akhila Mettu, Venu Talla, Deepthi Madanlal Bajaj, <b>Subhashini Naikal James Prameela</b>	Archiv der Pharmazie, <b>2019 (In press)</b> .	Design, synthesis and molecular docking studies of novel pyrazolyl 2-aminopyrimidine derivatives as HSP90 inhibitors	<b>2019/IF = 2.145</b>
35	P. Bharath Kumar Reddy, K. Ravi, K. Mahesh and <b>P. Leelavathi *</b> .	Tet. Lett. 59, 4039, 2018	Intramolecular Heck reaction: A facile sequential one-pot synthesis of 1,2,3,4 - tetrahydro benzo [b][1,6]naphthyridines .	<b>2018/IF = 2.259</b>
36	B. Shekhar, P. Vasantha, B. S. Kumar, <b>P.V. Anantha Lakshmi</b>	Applied organometallic Chemistry, 2018, 32:e4254	Multispectroscopic DNA interaction and Docking studies	<b>2018/IF = 3.581</b>

37	Lakshmi Narayana Sharma Konidena, Sathish Kumar Boda, Suresh Kumar Chettu, Kumaraswamy Sorra, Sreenivas Enaganti, Praveena Mukkavilli, N. S. Kameswara Rao, <b>P. V. Anantha Lakshmi</b> , Raghu Babu Korupolu	Research on Chemical Intermediates, 2018, 44 (9), 5467-5481	Synthesis, biological evaluation and molecular docking studies of novel 2-(2-cyanophenyl)-N-phenylacetamide derivatives	<b>2018/IF = 1.674</b>
38	B. S. Kumar, P.Vasanth, <b>P. V. Anantha Lakshmi</b> , Ch Srinivas, P Grover	Chemistry and Biodiversity, 2018, 15(6), e18000101	1,2,3-Triazole Tagged 3H-Pyrano[2,3-d]pyrimidine-6-carboxylate Derivatives: Synthesis, in Vitro Cytotoxicity, Molecular Docking and DNA Interaction Studies	<b>2018/IF = 1.617</b>
39	S.Rambabu, K.Ashok, B.Sakram, B.S.Kumar, <b>P.V.Anantha Lakshmi</b>	Heterocyclic Letters, 2018, 8(4), 831-842	Design and synthesis of novel 2-(4-((5-phenyl-1,3,4-oxadiazol-2-yl)methoxy) substitutedphenyl) -1H-Benzo[de]isoquinoline-1, 3(2H)-dione derivative as antibacterial and antifungal agents.	<b>2018/IF =</b>
40	J. Saroja, <b>P.V.Anantha Lakshmi</b> , Y.Rammohan, D.Divya, P. Santhosh Kumar	Rasayan Journal of Chemistry, 2018, 11(3), 1058-1066	Concurrent estimation of Sofosbuvir and Velpatasvir in Raw and Tablets using stability indicating method.	<b>2018/IF =</b>
41	P.Vasanth, B.S.Kumar, B.Shekhar, P.V.Anantha Lakshmi	<b>Material Science and Engineering C</b> , 2018, 90(1), 621-633	Copper-metformin ternary complexes: Thermal, photochemosensitivity and molecular docking studies	<b>2018/IF = 5.08</b>
42	J Saroja, <b>PV Anantha Lakshmi</b> , Y Rammohan, D Divya	The Pharma Innovation Journal, 2019, 8(1),: 163-169	Quantification of antiviral drug combination, glecaprevir and pibrentasvir, in bulk and tablet formulation by stability indicating RP-HPLC method	<b>2019/IF =</b>
43	B.Sakram, D. Ravi,	Research on Chemical	A facile greener synthesis, antimicrobial evaluation and	<b>2019/IF = 1.674</b>

	M.Raghupathi, B.Sathish Kumar, <b>P. V. Anantha Lakshmi</b>	Intermediates, 2019, 45(4), 2007–2022	molecular modeling of new 4-aryl-2-(3-(2-(trifluorometh yl) henyl)-1,8-naphthyridin-2-yl ) phthalazin-1(2 <i>H</i> )-one derivatives	
44	V.S. Negalurmatha , B.Sathish Kumar, O. Kotresha, <b>P.V. Anantha Lakshmi</b> , M.Basanagouda	Chemical Data Collections , 2019, 19, 100178	Benzofuran-oxadiazole hybrids: Design, synthesis, antitubercular activity and molecular docking studies	<b>2019/IF =</b>
45	N. Kavitha, <b>P.V. Anantha Lakshmi</b>	Journal of Molecular Structure, 1176 (2019) 798-814	Transition metal complexes supported by ONNN/ONNS bis-bidentate benzoxazine Schiff base: Synthesis, characterization, geometry optimization and non- isothermal kinetic parameters	<b>2019/IF =2.011</b>
46	<b>K. S. Kumar,*</b> B. Rajesham, N. P. Kumar, M. S. Ramulu, D. R. Dandela,	<i>Chemistry Select</i> , 2018, <b>3</b> , 4581-4585	A ligand/additive/base free C(sp <sup>2</sup> )-H activation and isocyanide insertion in PEG- 400: Synthesis of indolizine/imidazoline fused heterocyclics	<b>2018/IF = 1.505</b>
47	<b>K. S. Kumar,*</b> N. P. Kumar, B. Rajesham, G. Kishan, S. Akula and R. K. Kanch,	<i>New J. Chem.</i> , 2018, <b>42</b> , 34-38.	Silver-catalyzed synthesis of pyrrolo piperazine fused with oxazine/imidazole via a domino approach: evaluation of anti-cancer activity,	<b>2018/IF = 3.069</b>
48	<b>K. S. Kumar,*</b> N. P. Kumar, M. S. Ramulu,	<i>New J. Chem.</i> , 2018, <b>42</b> , 11276-11279.	Unexpected C–N bond formation <i>via</i> Smiles rearrangement: one pot synthesis of <i>N</i> -arylated coumarin/pyran derivatives,	<b>2018/IF = 3.069</b>
49	<b>K. S. Kumar,*</b> P. K. Naikawadi, B. Rajesham, D. Rambabu,	<i>New J. Chem.</i> , 2019, <b>43</b> , 4333-4337.	Four-component, three-step cascade reaction: an effective synthesis of indazole-fused triazolo[5,1- c]quinoxaline,	<b>2018/IF = 3.069</b>
50	<b>K. S. Kumar,*</b> S. R. Meesa, P. K. Naikawadi,	<i>Org. Lett.</i> , 2018, 20, 6079-6083.	Palladium-Catalysed [2+2+2] Annulation via Transformations of Multiple C–H bonds: One-Pot Synthesis of Diverse Indolo[3,2- <i>a</i> ]carbazoles	<b>2018/IF =6.49</b>

51	S. Y. Abate, W.-T. Wu, Someshwar Pola and Yu-Tai Tao	RSC Advances 2018, 8, <b>7847</b>	Compact TiO <sub>2</sub> films with sandwiched Ag nanoparticles as electron-collecting layer in planar type perovskite solar cells: improvement in efficiency and stability	<b>2018/IF = 3.049</b>
52	D. Bharath, M. Sasikumar, N. R. Chereddy, J. R. Vaidya, <b>Someshwar Pola*</b>	<b>Solar Energy 2018, 174, 180</b>	Synthesis of new 2-((5-(4-alkyl-4H-dithieno[3,2-b:2',3'-d]pyrrol-2-yl)thiophen-2-yl)methylene)malononitrile: Dopant free hole transporting materials for perovskite solar cells with high power conversion efficiency	<b>2018/IF = 4.674</b>
53	R. Gade, J. Ahemed, K. L. Yanapu, S. Y. Abate, Y.-T. Tao and Someshwar Pola	Journal of Environmental Chemical Engineering 2018, 6, 4504	Photodegradation of Organic Dyes and Industrial Wastewater in the Presence of Layer-type Perovskite Materials under Visible Light Irradiation	<b>2018/IF =</b>
54	S. Kumar, <b>Someshwar Pola</b> , C.-W. Huang, Md. M. Islam, S. Venkateswarlu, Y.-T. Tao	<b>Journal of Organic Chemistry, 2019, 84, 8562</b>	Polysubstituted Hexa-cata-Hexabenzocoronenes: Syntheses, Characterization and Their Potential as Semiconducting Materials in Transistor Application	<b>2019/IF = 4.745</b>
55	V. Gugulothu, J. Ahemed, M. Subburu, B. Yadagiri, R. Mittal, Ch. Prabhakar, <b>Someshwar Pola*</b>	<b>Polyhedron, 2019, 170, 412</b>	Evolution of Physical and Photocatalytic Properties of New Zn(II) and Ru(II) complexes	<b>2019/IF = 2.284</b>
56	J. Miryala, A. Tripathi, Ch. Prabhakar, D. Sarma, <b>Someshwar Pola*</b> , B. Satyanarayana	<b>Journal of Molecular Structure, 2019, 1184, 193</b>	Eco-friendly synthesis, crystal structures, photophysical properties and DFT studies of new N-arylthiazole-5-carboxamides	<b>2019/IF = 2.12</b>
57	Venkanna G., Jakeer A., Mahesh S., Vijaya Charan	<b>Journal of Photochemistry &amp; Photobiology A: Chemistry, 2019,</b>	A very fast photodegradation of dyes in the presence of new Schiff's base N4-	<b>2019/IF = 3.261</b>

	G., Prabhakar Ch., Someshwar Pola,*	<b>382, 111975</b>	macrocyclic Ag-doped Pd(II) complexes under visible-light irradiation	
58	<b>R. J. Reddy,*</b> Md. Waheed, T. Karthik and A. Shankar	<i>New J. Chem.</i> , <b>2018</b> , 42, 980-987	Efficient synthesis of 4-aryl-5-multifunctional-2H-1,2,3-triazoles from nitroallylic derivatives <i>via</i> cycloaddition-denitration process	<b>2018/IF = 3.069</b>
59	<b>R. J. Reddy,*</b> A. Shankar, Md. Waheed and J. B. Nanubolu	<i>Tetrahedron Lett.</i> , <b>2018</b> , 59, 2014-2017	Metal-free highly regioselective sulfonylation of NH-1,2,3-triazoles with sodium sulfinates and thiosulfinates	<b>2018/IF = 2.259</b>
60	<b>R. J. Reddy,*</b> Md. Waheed and J. J. Kumar	<i>RSC Adv.</i> , <b>2018</b> , 8, 40446–40453	A straightforward and convenient synthesis of functionalized allyl thiosulfinates and allyl disulfanes	<b>2018/IF = 3.049</b>
61	<b>R. J. Reddy,*</b> A. H. Kumari, J. J. Kumar and J. B. Nanubolu	<i>Adv. Synth. Catal.</i> <b>2019</b> , 361, 1587-1591.	Cs <sub>2</sub> CO <sub>3</sub> -Mediated Vicinal Thiosulfonylation of 1,1-Dibromo-1-Alkenes with Thiosulfinates: An Expedient Synthesis of (E)-1,2-Thiosulfonylethenes	<b>2019/IF = 5.451</b>
62	<b>R. J. Reddy,*</b> J. J. Kumar and A. H. Kumari	<i>Eur. J. Org. Chem.</i> <b>2019</b> , 3771	Unprecedented Reactivity of $\beta$ -Iodovinyl Sulfones: An Efficient Synthesis of $\beta$ -Keto Sulfones and $\beta$ -Keto Thiosulfones	<b>2019/IF = 3.029</b>
63	K Sudeepa, N Narsimha, B Aparna, S Sreekanth, AV Aparna, M Ravi, Sarala Devi Ch*	<b>Journal of Chemical Sciences</b> , <b>2018</b> 130 (5), 52	Synthesis, spectral characterization, antimicrobial, DNA interactions and molecular modeling studies of metal complexes of 1, 3-benzothiazole carbohydrazone.	<b>2018/IF = 1.2</b>
64	N Nagula, S Kunche, M Jaheer, R Mudavath, S Sivan, Sarala Devi Ch*	<b>Journal of fluorescence</b> <b>2018</b> , 28 (1), 225-241	Spectro Analytical, Computational and In Vitro Biological Studies of Novel Substituted Quinolone Hydrazone and it's Metal Complexes,	<b>2018/IF = 1.913</b>
65	Nagula Narsimha, Palreddy Ranjithreddy,	<b>J. Indian Chem. Soc.</b> , Vol. 96, March 2019, pp. 347-360	Synthesis, characterization, DNA cleavage, docking and cytotoxic studies of novel nalidixic acid hydrazone	<b>2019/IF =</b>

	Jaheer Mohmed, P. Sujitha and Ch. Sarala Devi		and its CuII, NiII and CoII complexes	
66	Nagula Narsimha, Mohmed Jaheer, Palreddy Ranjith Reddy, Kunche Sudeepa, Ch. Sarala Devi	<b>Indian Journal of Chemistry</b> Vol. 58A, April 2019, pp. 436-445	Spectro-analytical and in vitro biological studies of novel nalidixic acid hydrazone and its transition metal complexes	<b>2019/IF = 0.483</b>
67	<b>Ravi Mudavath</b> , Vuradi Ravi Kumar, B. Ushaiah, Ch. Kishan Prasad, K. Sudeepa, P. Ravindar, S. N. T. Sunitha and Ch. Sarala Devi,	<b>doi.org/10.1080/07391102.2019.1647878, Journal of Biomolecular Structure and Dynamics.</b>	Molecular docking, QSAR properties and DNA/BSA binding, anti-proliferative studies of 6-methoxy benzothiozole imine base and its metal complexes.	<b>2019/IF = 3.310</b>
68	<b>Ravi Mudavath</b> , Vuradi Ravi Kumar, B. Ushaiah, Nagula Narsimha, Kunche Sudeepa, Ch. Sarala Devi	<b>DOI:10.1080/15257770.2019.1618470, Nucleosides, Nucleotides and Nucleic Acids.</b>	Design, Synthesis, <i>In vitro</i> Anticancer, Antioxidant and Antibacterial activity; DNA/BSA Binding, Photocleavage and Docking studies of Cu(II) Ternary Metal Complexes,	<b>2019IF = 1.167</b>
69	Subhashini N.J.P., Sravanthi Chinthala, and <b>Shivaraj*</b> .	<i>Journal of Heterocyclic Chemistry</i> . 55, 251, 2018.	Design, Synthesis, Characterisation and Anti-microbial Evaluation of Novel 2-(3, 5-di methoxy-4-((1-aryl-1H-1, 2, 3-triazole-4-yl) methoxy) phenyl) benzo[d]thiazoles	<b>2018/IF = 1.241</b>
70	Kadasi Sundeep, Costa Thadeu E.M.M, Arukala Neha, Toshakani Mallika, Dugginetti Chaitanya, Thota Sreekanth, Gupta Sayan D, Penido Carmen, Henriques Maria G, Raghavendra	<i>Medicinal Chemistry</i> , 14 (9), 44-52, 2018.	Drug design, synthesis and in vitro evaluation of substituted benzofurans as Hsp90 inhibitors,	<b>2018/IF = 2.53</b>

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71	Kadtala Venkateswarlu, Marri Pradeep Kumar, Aveli Rambabu, Narendrula Vamsikrishn, Sreenu Daravath, Krishnan Rangan, and <b>Shivaraj*</b> ..	<i>Journal of Molecular Structure</i> , 1160, 198-207, 2108	Crystal structure, DNA binding, cleavage, antioxidant and antibacterial studies of Cu(II), Ni(II) and Co(III) complexes with 2-((furan-2-yl)methylimino)methyl)-6-ethoxyphenol Schiff base:	<b>2018/IF = 2.011</b>
72	Gali Ramesh, Marri Pradeep Kumar, Aveli Rambabu, Narendrula VamsiKrishna, Sreenu Daravath and <b>Shivaraj*</b> .	<i>Asian Journal of Chemical Sciences</i> . 4 (3), 1-20, 2018.	Synthesis, Spectral Characterization, DNA Binding, Cleavage and Biological Evaluation on Co(II), Ni(II) and Cu(II) Complexes of Substituted Isoxazole Schiff Bases.	<b>2018/IF =</b>
73	S. Sandhya Rani, N.J.P. Subhashini and <b>Shivaraj*</b> .	<i>Indo American journal of Pharmaceutical Sciences</i> : 05 (03), 1969-1979, 2018.	Design, synthesis and Pharmacological evaluation of novel 1, 3-Indanedione derivatives.	<b>2018/IF =</b>
74	Nirmala Ganji, Aveli Rambabu, Narendrula Vamsikrishna, Sreenu Daravath, and <b>Shivaraj*</b>	<i>Journal of Molecular Structure</i> . 1173, 173-182, 2018.	Copper(II) complexes with isoxazole Schiff bases: Synthesis, spectroscopic investigation, DNA binding and nuclease activities, antioxidant and antimicrobial studies..	<b>2018/IF = 2.011</b>
75	K. Ganga Rajam, Marri Pradeep Kumar, K. Jyothi Kiran, and <b>Shivaraj*</b> .	<i>Russian Journal of General Chemistry</i> . 88, (5) 1000-1008, 2018.	Mixed Ligand Complexes Derived from Semicarbazone Schiff Base and Heterocyclic Ligands: Structure and Antimicrobial Activity.	<b>2018/IF = 0.643</b>
76	D. Shiva Shankar, Aveli Rambabu, Narendrula Vamsikrishna, Nirmala Ganji, Sreenu Daravath	<i>Inorganic Chemistry Communications</i> , 98(2018)48-57.	Three mononuclear Cu(II) complexes based on p-tolylmethanamine Schiff bases: In-vitro cytotoxicity, DNA binding ability, Nuclease activity and	<b>2018/IF = 1.795</b>



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77	Sreenu Daravath, Narendrula Vamsikrishna, Nirmala Ganji, Kadkala Venkateswarlu and <b>Shivaraj*</b>	<i>Chemical Data Collectons</i> , 17-18, 159-168, 2018.	Synthesis, characterization, DNA binding ability, nuclease efficacy and biological evaluation studies of Co(II) , Ni(II) and Cu(II) complexes with benzothiazole Schiff base.	<b>2018/IF =</b>
78	S. Sandhya Rani, N.J.P. Subhashini and <b>Shivaraj*</b> ,.	<i>International Journal of Pharmaceutical Science and Research</i> , 10(6):1000-07, 2019	Synthesis of Novel 1,3-Indanedione Derivatives and pharmacological Evaluation as Anti-Microbial, Anti-Oxidative agents.	<b>2019/IF =</b>
79	Aveli Rambabu, Marri Pradeep Kumar, Nirmala Ganji, Sreenu Daravath and <b>Shivaraj*</b> ,	<i>Journal of Biomolecular Structure and Dynamics</i> , /doi.org/10.1080/07391102.2019.1571945.	DNA binding and cleavage, cytotoxicity and antimicrobial studies of Co(II), Ni(II), Cu(II) and Zn(II) complexes of 1-((E)-(4(trifluoromethoxy)phenyl)imino)methyl)naphthalen-2-ol Schiff base,	<b>2019/IF = 3.310</b>
80	Sravanthi Siliveri, Harinadha Babu Vamaraju, and <b>Shivaraj*</b>	<i>Asian Journal of Chemistry</i> (Accepted-Article in Press).	Synthesis and biological evaluation of furo[3,2-c]pyrazole-5-carbimides.	<b>2019/IF = 0.141</b>
81	V. Sumalatha, Aveli Rambabu, Narendrula Vamsikrishna, Nirmala Ganji, Sreenu Daravath and <b>Shivaraj*</b> ,	<i>Chemical Data Collections</i> 20 (2019) 100213	Synthesis, characterization, DNA binding propensity, nuclease efficacy, antioxidant and antimicrobial activities of Cu(II), Co(II) and Ni(II) complexes derived from 4-(trifluoromethoxy)aniline Schiff bases.	<b>2019/IF =</b>
82	Sravanthi Siliveri, Nagaraju Bashaboina, Harinadha Babu Vamaraju, and <b>Shivaraj*</b> ,	<i>International Journal of Pharmacy and Pharmaceutical Sciences</i> (Article in Press)	Design, Synthesis, Molecular Docking, Admet Studies And Biological Evaluation Of Pyrazoline Incorporated 1,2,3-Triazole Benzene Sulphonamides,	<b>2019/IF =</b>
83	Nayeem Pasha, N. Lingaiah, <b>Shivaraj*</b> ,	<i>Catalysis Letters</i> , Vol. 149, pp 2500-2507.	Zirconium Exchanged phosphotungstic acid Catalysts for Esterification	<b>2019/IF = 2.799</b>

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84	Sravanthi Siliveri, Harinadha Babu Vamaraju, and <b>Shivaraj*</b> ,	<i>Russian Journal of Bioorganic Chemistry</i> (Accepted-Article in Press).	Design, Synthesis, Molecular Docking, Admet Studies And Biological Evaluation Of Pyrazoline and Isoxazole Incorporating 1,2,3-Triazole Benzene Sulphonamides,	<b>2019/IF = 0.794</b>
85	A. Muralidhar, A. K. D. Bhavani, Anwita Mudiraj, Nikhik Ranjan, mallikarjun T., Prakash Babu	European Journal of Medicinal Chemistry, Vol. 156, 43-52, 2018	Synthesis of pyrazolo[3,4-d]pyrimidin-4(5H)-ones tethered to 1,2,3-triazoles and their evaluation as potential anticancer agents,	<b>2018/IF = 4.833</b>
86	A. Venkataramana Murthy, V.Narendar, N. Sampath Kumar, P. Aparna, <b>A.K.D. Bhavani</b> , F. Gautier, Sophie Barillé-Nion, Philippe Juin, Paul Mosset, René Grée, Nicolas Levoine,	<b>European Journal of Medicinal Chemistry</b> , Vol. 162, 334-347, <b>2019</b>	<b>Targeting PUMA/Bcl-xl interaction by new specific compounds to unleash apoptotic process in cancer cells</b>	<b>2019/IF = 4.833</b>
87	Dabbugoddu Brahmaiah, Anagani Kanaka Durga Bhavani, Pasula Aparna, Nangunoori Sampath Kumar, Hélène Solhi, Rémy Le Guevel, Blandine Baratte, Sandrine Ruchaud, Stéphane Bach, Paul Mosset, René Grée,	ARKIVOC, 96-107, 2019	Synthesis and biological studies of new quinazolines with ether functions in position 2	<b>2019/IF = 1.253</b>
88	G. Balraj and <b>B. Satyanarayana</b> .	Heterocyclic Letters 8: iss.-2 (2018), 411-418.	A green solvent-free protocol for Knoevenagel condensation using	<b>2018/IF =</b>

			heterogeneous reusable 5% of mgo/la <sub>2</sub> O <sub>3</sub> catalyst	
89	P. Balaswamy, S. Aravind, S. Purushotham Reddy and <b>Satyanarayana Battu</b>	Russian Journal of General Chemistry, Volume 88, Issue 4, (2018) 774–779.	Synthesis, Antimicrobial Activity, and Docking Studies of 2-Mercapto Substituted Quinazolin-4(3 <i>H</i> )-one and Their Derivatives	<b>2018/IF = 0.643</b>
90	G. Balraj and <b>Satyanarayana Battu.</b>	Journal of Applicable Chemistry, vol, 7 issue 3, (2018) 546-552.	Green Protocol Synthesis of (E)-2-Arylmethylene) Hydrazinecarbothioamides Using Reusable Heterogeneous Ceria Promoted Lanthanum Catalyst	<b>2018/IF = 1.211</b>
91	Anitha Ranga Sree Doma and <b>Satyanarayana Battu.</b>	Research journal of chemistry and environment, Vol. 22, 4 (2018).	Synthesis Characterization and Biological studies of ternary transition metal complexes derived from schiff base and bi pyridyl	<b>2018/IF =</b>
92	Jeevan Reddy Miryala, Mahesh Morthad and <b>Satyanarayana Battu.</b>	Asian Journal of Chemistry, vol.31, No.2 (2019), 297-302.	Green Synthesis Approaches of 2-Bromo-4-methyl thiazole-5-carboxamide derivatives as potent microbial agents, Molecular docking, DNA interaction and in vitro anti-cancer studies of square-planar	<b>2019/IF = 0.141</b>
93	Jeevan reddy Miryala, Anuj Tripathi, Chetti Prabhakar, Debajit Sarma, Someshwar Pola and <b>Battu Satyanarayana.</b>	Journal of Molecular Structure, (Elsevier), Vol.1184, (2019), 193-199.	Eco-friendly synthesis, crystal structures, photophysical properties and DFT studies of new N-arythiazole-5-carboxamides,	<b>2019/IF = 2.011</b>
94	Pulimamidi RabindraReddy, Merugu KumaraSwamy and <b>Battu Satyanarayana.</b>	Chemical Data Collections (Elsevier), Vol 17–18, (2018), 419-430.	In silico DNA topo II $\beta$ binding and in vitro DNA interaction, anti-proliferative, and anti-bacterial activities of two new ternary Copper (II) schiff base complexes,	<b>2018/IF = 0.177</b>

95	Pulimamidi Rabindra Reddy, Kumara Swamy Merugu and <b>Satyanarayana Battu.</b>	Chemical Data Collections, (Elsevier), 17-18, (2018), 30-40.	Molecular docking, DNA interaction and in vitro anti-cancer studies of square-planar Ni(II) and Cu(II) complexes	<b>2018/IF = 0.177</b>
96	Sadanand, N. Rajini, A. Varada Rajulu and <b>Battu Satyanarayana.</b>	International journal of polymer analysis and characterization, vol. 23, issue 4, (2018), 313-320. V.	Effect of sunlight on the preparation and properties of cellulose/silver nanoparticle composite films by in situ method using Ocimum sanctum leaf extract as a reducing agent,	<b>2018/IF = 1.426</b>
97	Pulimamidi Rabindra Reddy, Merugu Kumara Swamy and <b>Battu Satyanarayana</b>	BAOJ Cancer Research & Therapy 5(1) (2019), p064.	New copper(II) 2-(Quinolin-2-YI) Quinazolin-4(3H)-one complex and study of its DNA binding, antibacterial, docking and cytotoxic properties	<b>2019/IF =</b>
98	K. R. Vijayapal Reddy and T. V. D. Prasad Rao*	Heterocyclic Letters, Vol. 9  No.1 35-39, 2019	Polyaniline sulfate salt mediated one-pot three-component synthesis of triheterocyclic 4 <i>h</i> -pyrimido[2,1- <i>b</i> ]benzothiazole derivatives ;	<b>2019/IF =</b>
99	K. R. Vijayapal reddy and t.T.V. D. Prasad rao*	Heterocyclic Letters, Vol. 9  No.3 289-294, 2019	Polyaniline sulfate salt catalyzed one-pot three-component synthesis of 2 <i>h</i> -indazolo[2,1- <i>b</i> ]phthalazine-triones	<b>2019/IF =</b>
100	Gugulothu Yaku, Bandi Rajkumar and T. V. D. Prasad Rao*	Journal of Applicable Chemistry, 2019, vol 8 (2): 477-484	Photo-Induced Synthesis of Silver Nanoparticles using, <i>Syzygium cumini</i> Fruit Peels Extract Characterization and Antibacterial Activity Studies.	<b>2019/IF = 1.211</b>
101	<b>Ashok, Dongamanti;</b> Gundu, Srinivas; Aamate, Vikas Kumar; Devulapally, Mohan Gandhi; Bathini, Raju; Manga, Vijjulatha	<i>Journal of Molecular Structure</i> (2018), 1157, 312-321.	Dimers of coumarin-1,2,3-triazole hybrids bearing alkyl spacer: Design, microwave-assisted synthesis, molecular docking and evaluation as antimycobacterial and antimicrobial agents	<b>2018/IF = 2.011</b>
102	<b>Ashok, Dongamanti;</b>	<i>Molecular Diversity</i> (2018), 22, 57-70.	Microwave-assisted synthesis, antioxidant and	<b>2019/IF = 2.229</b>

	Gundu, Srinivas; Aamate, Vikas Kumar; Devulapally, Mohan Gandhi		antimicrobial evaluation of 2-indolinone-based bis-1,2,3-triazole derivatives	
103	N. H. Kumar Baba, <b>D. Ashok</b> , Boddu Ananda Rao, Madderla Sarasija, and N. Y. S. Murthy	<i>Russian Journal of General Chemistry</i> (2018), 88, 3, 580–586	Microwave Assisted Synthesis and Biological Activity of Novel Bis{2-[2-(substituted benzylidene)hydrazinyl]thiazole} Derivatives	<b>2018/IF</b> = 0.643
104	N. H. Kumar Baba, <b>D. Ashok</b> , Boddu Ananda Rao, Madderla Sarasija, and N. Y. S. Murthy	<i>Synthetic communications</i> (2018), 28, 1, 163–168.	Microwave Assisted Synthesis of Novel Bis-(2-Substituted Imidazole[2,1-b][1,3,4] Thiadiazole) Derivatives and Their Biological Activities	<b>2018/IF</b> = 0.096
105	<b>Dongamanti Ashok</b> , Pamula Chiranjeevi, Aamate Vikas Kumar, Madderla Sarasija, Vagolu Siva Krishna, Dharmarajan Sriram and Sridhar Balasubramanian	<i>RSC Advances</i> (2018), 8 (30), 16997-17007.	1,2,3-Triazole-fused spirochromenes as potential anti-tubercular agents: synthesis and biological evaluation	<b>2019/IF</b> = 3.049
106	<b>Dongamanti Ashok</b> , Srinivas Gundu, Vikas Kumar Aamate and Mohan Gandhi Devulapally	<i>Molecular Diversity</i> (2018), 22 (4), 769–778.	Conventional and microwave-assisted synthesis of new indole-tethered benzimidazole-based 1,2,3-triazoles and evaluation of their antimycobacterial, antioxidant and antimicrobial activities.	<b>2019/IF</b> = 2.229
107	S. Pervaram, <b>D. Ashok</b> , C. V. R. Reddy, M. Sarasija and B. A. Rao	<i>Russian Journal of General Chemistry</i> (2018), 88, 3, 566–572.	Synthesis and Antimicrobial Activity of (Z)-3-{{[3-Oxobenzofuran-2(3H)-ylidene]methyl}-4H-chromen-4-one Derivatives	<b>2018/IF</b> = 0.643
108	Kumar Baba, N. H.; <b>Ashok, D.</b> ; Rao, Boddu Ananda; Madderla, Sarasija; Murthy,	<i>Heterocyclic Communications</i> (2018), 24 (3), 171-176.	Microwave-assisted synthesis and biological evaluation of thiazole-substituted dibenzofurans	<b>2019/IF</b> = 0.70

	N. Y. S.			
109	Prathima K, <b>Ashok D</b> , Sarasija M, Prabhakar Sripadi, Madhu Vemula, Venkata S. Komarraju, Biswajit Gorai and Shyam Prakash	<i>RSC Advances</i> ( <b>2018</b> ), <b>8</b> , 38673- 38680.	Synthesis of 8',11'- dihydrospiro[cyclohexane- 1,2'-oxepino[2,3-h] chromen]-4'(3' <i>H</i> )-ones with ring closing metathesis as a key step	<b>2019/IF =</b> <b>3.049</b>
110	Kiran, K.; Sarasija, M.; Rao, B. A.; Jeyanthi, A.; Rao, A. S.; <b>Ashok, D.</b>	<i>Russian Journal of General Chemistry</i> ( <b>2018</b> ), 88 (11), 2410-2419.	Synthesis, Antioxidant, and Antimicrobial Activities of Novel Bis-Aroylbenzofuran Fused 1,2,3-Triazoles Bearing Alkane Spacers	<b>2019/IF =</b> 0.643
111	<b>Ashok, D.</b> ; Radhika, G.; Rao, Boddu Ananda; Sarasija, M.; Jayashree, A.; Sadanandam, P.	<i>Journal of the Chilean Chemical Society</i> ( <b>2018</b> ), 63 (2), 3983-3987.	Synthesis of benzoxazepine derivatives from pyrazole- chalcone via a simple and convenient protocol using basic alumina as solid support	<b>2019/IF =</b> 0.463
112	Pervaram, S.; <b>Ashok, D.</b> ; Sarasija, M.; Reddy, C. V. R.; Sridhar, G.	<i>Russian Journal of General Chemistry</i> ( <b>2018</b> ), 88 (6), 1219-1223.	Synthesis and Anticancer Activity of 1,2,4-Oxadiazole Fused Benzofuran Derivatives	<b>2018/IF =</b> 0.643
113	Ramana Kishore, N.; <b>Ashok, D.</b> ; Sarasija, M.; Murthy, N. Y. S.	<i>Russian Journal of General Chemistry</i> ( <b>2018</b> ), 88 (5), 1015-1019.	Microwave-Assisted Synthesis of Novel Spirochromanone-Aurone Hybrids and Their Antimicrobial Activity	<b>2018/IF =</b> 0.643
114	Anjaiah, Ch.; Nagamani, M.; Abraham Lincoln, Ch.; <b>Ashok, D</b>	<i>Russian Journal of General Chemistry</i> ( <b>2018</b> ), 88 (10), 2149-2153.	Microwave-assisted synthesis and antimicrobial activity of 3-(arylsulfanyl)- 4-hydroxy-2 <i>H</i> -chromen-2- ones	<b>2018/IF =</b> 0.643
115	Kumar Baba, N. H.; <b>Ashok</b> , <b>Dongamanti</b> , Rao, Boddu Ananda; Sarasija, Madderla; Murthy, Nandula Y. S.	<i>Chemistry of Heterocyclic Compounds</i> (New York, NY, United States) ( <b>2018</b> ), 54 (6), 658-663.	Microwave-assisted synthesis of novel benzodifuran-based bis(N- (het)arylthiazol-2-amine) derivatives and their antibacterial and antimycobacterial activities	<b>2018/IF =</b> 1.492

116	<b>D. Ashok</b> , N. Nagaraju, Ravinder Dharavath, M. Ram Reddy, K. Ramakrishna and M. Sarasija	<i>Asian Journal of Chemistry</i> (2019), 31 (7), 1495-1500.	A Novel Method for Synthesis and their Antimicrobial Activity of 1 <i>H</i> -Tetrazole Based Flavones and Flavanone Derivatives under Ultrasonic, Microwave Irradiation Methods	<b>2019/IF</b> = 0.141
117	Ravi Guguloth, Ayodhya Dasari, <b>Ashok Dongamanti</b> , Sarasija Madderla, Kumari Lunavath Shanthi	<i>Nano convergence</i> (2019), 6 (1), 12.	Facile synthesis, characterization and enhanced catalytic reduction of 4-nitrophenol using NaBH <sub>4</sub> by undoped and Sm <sup>3+</sup> , Gd <sup>3+</sup> , Hf <sup>3+</sup> doped La <sub>2</sub> O <sub>3</sub> nanoparticles	<b>2019/IF</b> = 3.324
118	<b>Ashok, Dongamanti</b> , Devulapally, Mohan Gandhi; Aamate, Vikas Kumar; Gundu, Srinivas; Adam, Shaik; Murthy, S. D. S.; Balasubramanian, Sridhar; Naveen, Baindla; Parthasarathy, Tigulla	<i>Journal of Molecular Structure</i> (2019), 1177, 215-228.	Novel pyrano [3,2- <i>b</i> ] xanthen-7(2 <i>H</i> )-ones: Synthesis, antimicrobial, antioxidant and molecular docking studies	<b>2019/IF</b> = 2.011
119	Ashok, Dongamanti; Kavitha, Rangu; Gundu, Srinivas; Sarasija, Madderla	<i>Journal of the Serbian Chemical Society</i> (2019), 84 (3), 237-244.	Microwave-assisted synthesis and antimicrobial evaluation of 6-[3-aryl-1-phenyl-4',5'-dihydro[4,5'-bi-1 <i>H</i> -pyrazol]-3'-yl]-2 <i>H</i> -chromen-5-ols	<b>2019/IF</b> = 0.977
120	Dr. Jyothi Yadagiri Dr. Hari Prasad Reddy Kannapu Prof. Young-Woong Suh Prof. Veera Somaiah Puppala Dr. Seetha Rama Rao Kamaraju Dr. David Raju Burri	<i>Chemistry Select</i> , 2018, 3, 8473-8478.	An Efficient Catalytic Approach for Epoxidation of Styrene over Activated Marble Powder,	<b>2018/IF</b> = <b>1.505</b>

121	Jyothi Yadagiri, rKumara Swamy Koppadi, Siva Sankar Enumula, Venkateshwarlu Vakati, Seetha Rama Rao Kamaraju, David Raju Burri, Puppala Veera Somaiah	Journal of Chemical Sciences, 2018, 130, 106.	Ni/KIT-6 catalysts for hydrogenolysis of lignin- derived diphenyl ether	<b>2018/IF = 1.2</b>
122	Reshma, Sandupatla Raju and <b>Puppala Veerasomaiah</b>	IOSR Journal of Applied Chemistry, 2018, 11, 7-12.	Synthesis and Characterization of PEG-Ag Nanoparticles: Investigation of their Antibacterial Properties	<b>2018/IF =</b>
123	V. Sunitha, A.Kishore <b>Kuma r,Ch. Abraham Lincoln,</b> P. Jalapathi, V. Gopal Reddy	Russian Journal of General Chemistry December 88 (12) (2018) 2669–2674	Synthesis and Antibacterial Evaluation of Benzofuran Based 3,5-Disubstituted Isoxazoles	<b>2018/IF =</b> 0.643
124	V. Sunitha A. Kishore Kuma r M. Mahesh P. Shankaraiah P. Jalapathi <b>Ch. Abraham Li ncoln</b>	Russian Journal of General Chemistry 88(9) (2018) 1904– 1911	Synthesis and Antimicrobial Evaluation of Bis-3,5- disubstituted Isoxazoles Based Chalcones	<b>2018/IF =</b> 0.643
125	Ch. Anjaiah, M. Nagamani, Ch. Abraham Lincoln, D. Ashok	Russian Journal of General Chemistry 88(10)(2018) 2149– 2153	Microwave-Assisted Synthesis and Antimicrobial Activity of 3- (Arylsulfanyl)-4-hydroxy- 2 <i>H</i> -chromen-2-ones	<b>2018/IF =</b> 0.643
126	D. Ravi Kumar,Syed Ismail Ahmad,Ch. <b>Abraham Lincoln &amp; D. Ravinder,</b>	Journal of Asian Ceramic Societies 7(1) (2019) 53-68	Structural, optical, room- temperature and low- temperature magnetic properties of Mg–Zn nanoferrite ceramics	<b>2019/IF =</b> <b>0.589</b>
127	Thummala Raja Mania, Yelike Hemanth Srirama, <b>Kuthati</b>	Chemical Methodologies 2 (2018) 83-92	Rate Accelerations in AgNO <sub>3</sub> Mediated Transesterification of $\beta$ – Keto esters	<b>2018/IF =</b>



	<b>Bhaskar</b> , Addula Kiran Kumar*, Kudle Karunakar Rao			
128	Gurrapu R Poshala R <b>Kuthati B</b>	Asian Journal of Chemistry (2018) 30(6) 1369-1373	Green synthesis of bis(indolyl)methane derivatives using PEG-400	<b>2018/IF = 0.14</b>