

# ANNUAL REPORT 2020-21

## University College of Science

*Accredited with B+ Grade*

### (CONSTITUENT COLLEGE OF TUMKUR UNIVERSITY)

#### **Vision:**

To Achieve Academic Excellence in Higher Education and Research

#### **Mission:**

- To inculcate and nurture young talents and evolve an effective mechanism for greater participation of all the stakeholders of the University College of Science.
- To develop and operationalise a strategy to foster financial self-sufficiency and self-reliance.
- To promote cordial working conditions, work ethics, work culture among the faculty and staff members thereby promoting welfare of the students and the society.
- To introduce innovative curricular framework aimed at knowledge, skill and aptitude-based, application-oriented higher education and research.

#### **Goals:**

- To disseminate advanced Knowledge by providing institutional and research facilities in all the branches of learning.
- To take appropriate measures for promoting innovative in teaching-learning process and inter-disciplinary studies and research.
- To educate and train manpower to acquire skills.
- To establish linkages with industries for the promotion of science and technology.
- To pay special attention to the improvement of social and economic conditions and welfare of the students, their intellectual, academic and cultural development.

- Strategic policies required for translating into action the vision, mission and objectives of the University, leading to excellence in teaching, research, publication, consultancy, patents and intellectual property.
- Identifying and focusing on development at least five major academic programmes in the areas that are high in demand but are low in supply and quality in the public Universities.
- Training, skill upgradation, skill development and skill recognition of the local population by the Institution.
- Establishing a Computing & Information Technology Centre, Central Instrumentation Facility, Museum and Archives, Herbarium/Botanical/Herbal Garden.

**Name of the Principal**

**Smt. Shalini B R**

**Name of the Vice-Principal**

**Smt. K.V.C. Ratna Kumari**

**Programme Offered by Institution**

Regular programme								
S.No	Level	Programme	Broad Discipline Group Category	Broad Discipline Group Name	Discipline	Whether Vocational Course	Year of Start	Approved Intake
1	Post Graduate	M.Sc.-Master of Science	Science	Chemistry	Science	No	Prior to 2010	72
2	Post Graduate	M.Sc.-Master of Science	Science	Environmental Science	Science	No	2010	34
3	Post Graduate	M.Sc.-Master of Science	Science	Physics	Science	No	Prior to 2010	72
4	Under Graduate	B.C.A.- Bachelor of Computer Applications	IT & Computer	Computer Application	Science	No	2019	96
5	Under Graduate	B.Sc.- Bachelor of Science	Science	Science	Science	No	Prior to 2010	778
6	Under Graduate	B.Voc.- Bachelor of Vocational	Education	Education	Science	No	2016	60

### Student Strength

S.No	L	P	Broad Discipline Group Category	Broad Discipline Group Name	D/S	WVC	Type	Year	C	Number Of Students Enrolled																					REMARKS							
										General			EWS			SC			ST			OBC			TOTAL													
										SEAP GOI / State Govt.	T	F	TG	SEAP GOI / State Govt.	T	F	TG	SEAP GOI / State Govt.	T	F	TG	SEAP GOI / State Govt.	T	F	TG	SEAP GOI / State Govt.	T	F	TG	SEAP GOI / State Govt.		T	F	TG				
1	Under Graduate	Computer Application	IT & Computer	Science (Under Graduate)	B.C.A.- Bachelor of Computer Applications	No	General	1	T	60	1	0	0	0	0	0	0	18	12	2	0	9	5	4	0	33	58	30	0	120	76	36	0	NA				
									PWD		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0	NA
									MM		0	0	0		0	0	0		0	0	0		0	0	0		1	0	0		1	0	0		1	0	0	NA
									OM		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0	NA
2	Under Graduate	Computer Application	IT & Computer	Science (Under Graduate)	B.C.A.- Bachelor of Computer Applications	No	General	2	T	60	0	0	0	0	0	0	18	10	7	0	9	3	1	0	33	50	25	0	120	63	33	0	NA					
									PWD		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0	NA
									MM		0	0	0		0	0	0		0	0	0		0	0	0		5	1	0		5	1	0		5	1	0	NA
									OM		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0	NA
3	Under Graduate	Science	Science	Science (Under Graduate)	B.Sc.- Bachelor of Science	No	General	1	T	340	22	13	0	0	0	0	102	123	70	0	51	48	30	0	187	426	276	0	680	619	389	0	EWS data not maintained					
									PWD		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0	NA
									MM		0	0	0		0	0	0		0	0	0		0	0	0		20	18	0		20	18	0		20	18	0	NA
									OM		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0	NA
4	Under Graduate	Science	Science	Science (Under Graduate)	B.Sc.- Bachelor of Science	No	General	2	T	280	22	16	0	0	0	0	84	83	44	0	42	36	20	0	154	348	222	0	560	489	302	0	EWS data not maintained					
									PWD		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0	NA
									MM		0	0	0		0	0	0		0	0	0		0	0	0		24	18	0		24	18	0		24	18	0	NA

									OM		0	0	0		0	0	0		0	0	0		0	0	0	NA											
5	Under Graduate	Science	Science	Science (Under Graduate)	B.Sc.- Bachelor of Science	No	General	3	T	240	13	9	0	0	0	0	0	72	81	5	1	0	36	2	1	0	13	31	20	8	0	48	43	28	6	0	NA
									PW D		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		NA		
									MM		0	0	0		0	0	0		0	0	0		0	0	0		22	16	0		22	16	0		NA		
									OM		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		NA		
6	Under Graduate	Education	Education	Science (Under Graduate)	B.Voc.- Bachelor of Vocational Education	No	General	1	T	25	1	0	0	0	0	0	0	8	1	0	0	4	1	1	0	13	11	5	0	50	14	6	0		NA		
									PW D		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		NA		
									MM		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		NA		
									OM		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		NA		
7	Under Graduate	Education	Education	Science (Under Graduate)	B.Voc.- Bachelor of Vocational Education	No	General	2	T	25	0	0	0	0	0	0	0	8	2	0	0	4	0	0	0	13	18	8	0	50	20	8	0		NA		
									PW D		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		NA		
									MM		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		NA		
									OM		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		NA		

**Number of Add on /Certificate programs offered during the year**

**Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year**

Name of Add on / Certificate programs offered	Course Code (if any)	Year of offering	No. of times offered during the year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
FUTURE PERFECT PROGRAMME	Nil	2020	1	JAN2020 - JUN2020		25
NEW COLLAR EMPLOYABILITY SKILLS PROGRAMME	Nil	2020	1	2020-21 (250 hours)	94	69 students from final year B. Sc./B. Voc.

## RESULT Analyses

Regular Mode (Total Number of Students Appeard in Final Year)																					
Sl. No.	Discipline (Level)+(Programme)+(Borad Diaplina Group Category)+(Broad Diaplina)	Total Number of Students Appeard in Final Year																			
		Category	General			EWS			SC			ST			OBC			TOTAL			
			Male	Female	Trans Gender	Male	Female	Trans Gender	Male	Female	Trans Gender	Male	Female	Trans Gender	Male	Female	Trans Gender	Male	Female	Trans Gender	
1	(Post Graduate) M.Sc.-Master of Chemistry	T	0	3	0	0	0	0	3	4	0	0	1	0	12	21	0	15	29	0	
		PWD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		MM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0
		OM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	(Post Graduate) M.Sc.-Master of Environmental Science	T	0	1	0	0	0	0	3	1	0	1	0	0	1	6	0	5	8	0	
		PWD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		MM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		OM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	(Post Graduate) M.Sc.-Master of Physics	T	1	1	0	0	0	0	0	4	0	1	4	0	9	30	0	11	39	0	
		PWD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		MM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
		OM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	(Under Graduate) B.C.A.-Bachelor of Computer Applications (IT & Computer) (Computer Application)	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		PWD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		MM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		OM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	(Under Graduate) B.Sc.-Bachelor of Science	T	4	8	0	0	0	0	28	49	0	6	16	0	102	203	0	140	276	0	
		PWD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		MM	0	0	0	0	0	0	0	0	0	0	0	0	6	15	0	6	15	0	
		OM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

6	(Under Graduate) B.Voc.-Bachelor of Vocational (Education)	T	0	1	0	0	0	0	1	0	0	0	0	0	6	5	0	7	6	0	
		PWD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		MM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	
		OM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Regular Mode (Out of Total, Number of Students Passed with 60% or above)																				
Sl. No.	Discipline (Level)+(Programme)+(Board Discipline Group Category)	Out of Total, Number of Students Passed with 60% or above																		
		Category	General			EWS			SC			ST			OBC			TOTAL		
			Male	Female	Trans Gender	Male	Female	Trans Gender	Male	Female	Trans Gender	Male	Female	Trans Gender	Male	Female	Trans Gender	Male	Female	Trans Gender
1	(Post Graduate) M.Sc.-Master of Chemistry	T	0	3	0	0	0	0	3	3	0	0	1	0	10	15	0	13	22	0
		PWD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		MM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0
		OM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	(Post Graduate) M.Sc.-Master of Environmental Science	T	0	1	0	0	0	0	3	1	0	1	0	0	1	5	0	5	7	0
		PWD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		MM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		OM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	(Post Graduate) M.Sc.-Master of Physics	T	1	0	0	0	0	0	0	4	0	1	3	0	6	28	0	8	35	0
		PWD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		MM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0
		OM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	(Under Graduate) B.C.A.-Bachelor of Computer Applications (IT & Computer) (Computer Application)	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		PWD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		MM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		OM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

5	(Under Graduate) B.Sc.-Bachelor of Science	T	4	7	0	0	0	0	23	43	0	5	13	0	81	176	0	113	239	0	
		PWD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		MM	0	0	0	0	0	0	0	0	0	0	0	0	3	13	0	3	13	0	
		OM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	(Under Graduate) B.Voc.-Bachelor of Vocational	T	0	1	0	0	0	0	1	0	0	0	0	0	6	5	0	7	6	0	
		PWD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		MM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	
		OM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

**Placement Details:**

No of Students Placed			No of Students Selected for Higher Studies			Median Annual Salary for Placed Students
Male	Female	Total	Male	Female	Total	
6	4	10	48	118	166	null

**Number of placement of outgoing students during the year**

Year	Name of student placed and contact details	Program graduated from	Name of the employer with contact details	Pay package at appointment
2020-2021	Aashritha Y. S.	PMCS	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Anusha G.	PCM	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Bhavya B. U.	PMCS	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Chethana M. B.	PMCS	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Dhanushree H. S.	PMCS	White Horse Manpower	Process Associate



			Consultancy Pvt. Ltd.	
	Divya M. V.	PMCS	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Hemanth N.	PMCS	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Jayashree N.	PMCS	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Jyothi R.	PMCS	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Kavya R.	PMCS	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Kavyashree R.	PMCS	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Kiran K.	PMCS	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Laavanya V. N.	PMCS	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Laavanya H. K.	PMCS	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	NehaSulthana	PCM	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Niveditha N.	PMCS	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Pavanee K. N.	PMCS	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Pooja R.	B. Voc.	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Pragna B. T.	PCM	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	PriyankaChakradhar S.	PCM	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate

	Radhika G. D.	PMCS	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Ranganatha D. S.	PMCS	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	RumalaKumari	PCM	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Sahana R.	PMCS	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate
	Tejaswini K. P.	PME	White Horse Manpower Consultancy Pvt. Ltd.	Process Associate

## Library and Information Center

### Faculty Strength:

Sl. No.	Name	Designation	Qualification	Department
1	Rajalaxmi A. Govanakoppa	Assistant Librarian	M.L.I.Sc. (Ph.D)	Library and Information Center
2	Shruthi K.	Library Assistant Grade-II	M.L.I.Sc	Library and Information Center

### 1. Purchase of Books, Journals, Newspapers and Magazines for the year of 2020-21

Purchased a number of subject and reference books, taken to stock by entering in Accession Register and classification is in progress. All the new books purchased are entered in the Library Management Software and printing and labeling of Barcode labels to new books is done. Tagging of RFID tags to newly purchased books is done. Subscribed State, National and International Journals. Subscribed **13** newspaper and **32** magazines in a different language like Kannada and English for the year 2017-18

Items	Number	Amount
<b>Books</b>	712	<b>Rs. 1,82,185/-</b>
<b>Journals / Periodicals</b>	0	<b>Rs. 0</b>
<b>E-journals</b>	-	<b>Rs. 5,900/-</b>
<b>Magazines</b>	32	<b>Rs. 40,000/-</b>
<b>Newspapers</b>	7	<b>Rs. 25,225/-</b>
<b>Equipment's</b>	1	<b>Rs. 31,246/-</b>

### 2. Library Automation:

- To bring in total library automation Library data is totally computerized with the help of **e-Lib i-NEXT** Integrated Library Management software. Total **50,972 books** added to the software.
- Serials subscription system is maintained by entering the data in the **E-Lib** Integrated Library Management Software.
- To support Library Automation, Printing and labeling of Barcode labels to all books is in process.
- To support Library Automation RFID technology is implemented and tagging RFID tags to books is in process.

### 3. E-Resources:

- Library has access to more than **6000 + e-journals** (including current issues with 5-10 years back files) and **31,35,000 + e-books** through program entitled “**National Library and Information Services infrastructure for Scholarly Content (N-LIST)**” by INFLIBNET.

### Orientation/Refresher Course (2020-21)

Sl. No.	Name of the Faculty	Course	Date and Year (From-To)	Organizing College/University
1	Rajalaxmi Govanakoppa A.	Capacity Building Program (3 Days )	3/5/2020 to 5/5/2020	Mayas Research and Learning Private Ltd
2	Rajalaxmi Govanakoppa A.	Faculty Development Programme (1 week)	12/5/2020 to 18/5/2020 One week	SNDT Women's University, Mumbai
3	Rajalaxmi Govanakoppa A.	Short term Faculty Development Program (2 weeks)	6/6/2020 to 19/6/2020	HRDC, Savitribai Phule Pune University, Pune

### Department Extension/Co-curricular Activities

Following programs were organized as a part of extension activities in order to create awareness and give instruction to the students and staff regarding the special occasions.

Particular of program	Year
In order to create awareness and to inculcate reading habits among students <b>Library orientation program</b> was organized for the first year students.	2021

## DEPARTMENT OF STUDIES AND RESEARCH IN CHEMISTRY (UG & PG)

### Vision

To become center of excellence for studies and Research in Chemical Sciences

### Mission

To achieve our vision by developing internally to imbibe values to student continuously improving the facilities to develop students total personality

To provide scientific approach to facilitate the specific interaction among the scientific community and promote research students

To encourage and develop leaders in the field of chemical sciences

To provide value based education and creating efficiencies through coordination.

### Goals

To train the students for competitive exams such as CSIR, UGC, ICMR, and ICAR

Enhancing infrastructure development to accommodate research scholars

To patent the research carried out in the department

Initiation of collaborative research activities (National / International Research)

Participation in faculty exchange programs in India and abroad

**Chairperson/Coordinator of the Department:** Ramesh T N/Dr. ShetPrakash M

### Faculty Strength

Sl. No.	Name	Designation	Qualification	Department
1	Dr. Prakash M. Shet	Associate Professor	M.Sc., Ph.D.	Chemistry
2	Dr. Sreenivasa S	Associate Professor	M.Sc., M.Phil. Ph.D. DSc	Chemistry
3	Dr. Aruna Kumar D B	Assistant Professor	M.Sc., MTech, Ph.D.	Chemistry
4	Dr. Vijaya Kumar G R	Assistant Professor	M.Sc., Ph.D.	Chemistry
5	Dr. Ramesh T N	Assistant Professor	M.Sc., Ph.D	Chemistry
6	Dr. Suresh	Assistant Professor	M.Sc., Ph.D.	Chemistry
7	Dr. Jayashankar B	Assistant Professor	M.Sc., Ph.D.	Chemistry
8	Dr. Venkateshappa G	Assistant Professor	M.Sc., Ph.D	Chemistry
9	Dr. Narendra N	Assistant Professor	M.Sc., Ph.D	Chemistry
10	Dr. Nirmal B N	Assistant Professor	M.Sc., Ph.D	Chemistry
11	Dr. Suchethan P A	Assistant Professor	M.Sc., Ph.D	Chemistry
12	Dr. Ragahavendra Kumar P	Assistant Professor	M.Sc., Ph.D.	Chemistry
13	Dr. Sunitha Madavi	Assistant Professor	M.Sc., Ph.D	Chemistry
14	Dr. Savitha K R	Assistant Professor	M.Sc., Ph.D	Chemistry
15	Dr. Bhagya Lakshmi M	Assistant Professor	M.Sc., Ph.D	Chemistry

Other than this, all the faculties of the Department have guided the M.Sc. fourth semester students for their research projects.

### Research Collaborations:

The faculties of the Department have published several International Research papers by collaborating with the faculties of other Institutes. The details are as follows.

Sl. No.	Name of the Faculty	Collaborating Agency/Institution	Remarks
1	Dr. Shet Prakash M	1) Indian Institute of Science Education and Research Bhopal, Bhopal. 2) Shirdi Sai Engineering College, Bangalore. 3) Vivekananda Degree College, Bangalore.	Book Chapter
2	Dr. S. Sreenivasa	1) Bozok University, Turkey. 2) University of Mysore. 3) St. Aloysius College, Mangalore, India. 4) National Institute of Technology, Trichy 5) NITTE Meenakshi Institute of Technology 6) Avinasha Lingam University, Tamil Nadu	Research papers
3	Dr. G R Vijayakumar	1) QIS College of Pharmacy, Andhra Pradesh, India. 2) Shree Siddaganga College of Arts Science and Commerce, Tumkur.	Research papers
4	Dr. Suchetan P.A.	<ul style="list-style-type: none"> <li>• University of Mysore</li> <li>• Jain, University, Bangalore</li> <li>• Institute of Materials Science, Darmstadt University Darmstadt, Germany.</li> <li>• Instituto de Física, Universidade Federal de Goias, GO, Brazil</li> <li>• Pontificia Universidade Catolica de Goias, Brazil</li> <li>• Laboratorio de Modelagem Molecular Aplicada e Simulacao (LaMMAS), Campus de Ciencias Exatas e Tecnologicas, Universidade Estadual de Goias, Brazil</li> </ul>	Research papers

		<ul style="list-style-type: none"> <li>• Universidade Paulista, Goiania, GO, Brazil</li> <li>• Siddaganga Institute of Technology, Tumakuru.</li> <li>• Sri Ramachandra Institute of Higher Education and Research, Porur, Chennai</li> <li>• B.M.S. College of Engineering, Bengaluru,</li> <li>• Bapatla Engineering College, Acharya Nagarjuna University Post Graduate Research Centre, Bapatla</li> <li>• St. Aloysius college, Mangaluru</li> <li>• P.V.P. Siddhartha Institute of Technology, Vijayawada</li> <li>• Central Polytechnic College, Vattiyoorkavu, Trivandrum, Kerala</li> <li>• Govt. Thirumagal Mills College, Gudiyatham, Vellore</li> <li>• Department of Chemistry Howard University, DC, 20059, USA</li> <li>• Adichunchanagiri University, B. G. Ngara, Mandya, Karnataka, India</li> <li>• Department of Chemistry, Kuvempu University, P. G. Centre, Kadur</li> <li>• Department of Chemistry, Jnana Bharathi Campus, Bangalore University, Bangalore 560 056, Karnataka, India</li> <li>• The National Institute of Engineering, Mysuru</li> </ul>	
5	Dr. P. Raghavendra Kumar	Indian Institute of Technology, Delhi	DST-SERI-Project

### Articles Published in National/International Journals

Sl. No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
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1	Synthesis and discovery of N-(1-methyl-4-oxo-4, 5-dihydro-1H-imidazol-2-yl)-[1, 1'-biphenyl]-2-carboxamide derivatives as antimicrobial agents	S. R. Ashok, M. K. Shivananda, M. Shet Prakash, <b>S. Sreenivasa</b> , Alagumuthu Manikandan	Journal of Heterocyclic Chemistry	2020	1943-5193
2	Synthesis, biological screening, in silico study and fingerprint applications of novel 1, 2, 4-triazole derivatives	S. R. Ashok, M. K. Shivananda, M. Shet Prakash, <b>S. Sreenivasa</b> , Alagumuthu Manikandan	Journal of Heterocyclic Chemistry	2020	1943-5193
3	Synthesis, Characterization, PASS prediction, In-silico ADME, Molecular docking and cyclic voltammetry studies of 1, 4, 5-trisubstituted 1, 2, 3-triazole ethanone and ethanol derivatives via Metal free approach	Krishna swamy G, Golla Ramesh, Pruthviraj K, Salma Banu, Roopa B, H.J. Preritha, B.S. Rajeshwari, M. Ravikumar, P. Raghuram Shetty, D.B. Aruna Kumar, <b>S Sreenivasa</b>	Chemical Data Collections	2020	2405-8300
4	Visible-Light-Induced Photochemical Hydrogen Evolution and Degradation of Crystal Violet Dye by Interwoven Layered MoS <sub>2</sub> /Wurtzite ZnS Heterostructure Photocatalyst	Sathyanarayana Rao Akshatha, <b>Dr. Swamy Sreenivasa</b> , Dr. Lakshminarayana Parashuram, Dr. Madihalli S. Raghu, Dr. K. Yogesh Kumar, Tadimety Madhu Chakrapani Rao	ChemistrySelect	2020	2365-6549
5	Rutile, mesoporous ruthenium oxide decorated rapheme oxide as an efficient visible light driven photocatalyst for hydrogen evolution reaction and organic pollutant degradation	S. Akshatha a, <b>S. Sreenivasa</b> a, K Yogesh Kumar b, S. Archana b, M.K. Prashanth d, B.P. Prasanna b, Priya Chakraborty e, Prakash Krishnaiah c, M.S. Raghu c, H. Alrobei	Materials Science in Semiconductor Processing	2020	1369-8001
6	Use of Organic Compounds in Forensic Investigation: A Brief Review	Krishna Swamy G, Shivaraj G, Tadimety Madhu Chakrapani Rao and <b>Sreenivasa S</b>	Journal of Forensic Sciences & Criminal Investigation	2020	2474-1311
7	Synthesis, Characterization, Biological Screening, ADME and Molecular Docking Studies of 2-Phenyl Quinoline-4-Carboxamide Derivatives	P. Raghurama Shetty, , G. Shivaraja, G. Krishnaswamy, K. Pruthviraj, Vivek Chandra Mohan And <b>S. Sreenivasa</b>	Asian Journal Chemistry	2020	0975-427X
8	In Vitro, Molecular Docking, and In Silico Binding Mode Analysis of Organic Compounds for Antimicrobial and Anticancer Activity against Jurkat, HCT116, and A549 Cell Lines.	Sanay Naha, Shivaraja Govindaiah, <b>Dr. Swamy Sreenivasa</b> , Jeevan Kallur Prakash, Prof. Sivan Velmathi	ChemistrySelect	2020	2365-6549
9	Stability Indicating Reverse Phase-HPLC Method for the Estimation of Doxorubicin in Bulk and Pharmaceutical Dosage Forms,	NV Venkataramana, <b>Aruna Kumar DB</b> , Nivedita R Desai	<i>Eurasian Journal of Analytical Chemistry</i>	Oct-20	1306-3057



10	Synthesis, Characterization, Pass prediction, In-silico ADME, Molecular docking and Cyclic voltammetry studies of 1, 4, 5-trisubstituted 1, 2, 3-triazole ethanone and ethanol derivatives via Metal free approach	Krishna swamy G. Golla Ramesh. Pruthviraj K, Salma Banua. Roopa B. H.J.Preritha. B.S.Rajeshwari, M. Ravikumar, P.Raghuram Shetty. D.B.Aruna Kumar and S.Sreenivasa	<i>Chemical Data Collections</i>	Aug-20	2405-8300
11	Design, synthesis, PASS prediction, in-silico ADME and molecular docking studies of substituted-(Z)-3-benzylidene-5-aza-2-oxindole derivatives (Part-1)	Krishna swamy G. Golla Ramesh. Pruthviraj K, Salma Banua. Roopa B. H.J.Preritha. B.S.Rajeshwari, M. Ravikumar, P.Raghuram Shetty. <b>D.B.Aruna Kumar</b> and S.Sreenivasa	<i>Chemical Data Collections</i>	Feb-21	2405-8300
12	Synthesis, Characterization, PASS Prediction and in silico ADME Studies of Ester and Ether Linked 1,4-Disubstituted 1,2,3-Triazoles Derivatives via Click Approach	G. Krishnaswamy, P. Raghuram shetty, , B. Roop, Salma Banu , H.J. Preritha, B.S. Rajeshwari , M. Ravikumar, K. Pruthviraj, , <b>D.B. Aruna Kumar</b> And S. Sreenivasa.	<i>Asian Journal of Chemistry</i>	Jul-20	0970-7077
13	Synthesis, characterization, antimicrobial and in-silico studies of (1, 1-dibenzofuran-2-yl) ethyl terephthalamide derivatives	Krishnaswamy Gurunathan , Desai Nivedita R , Naika Raja Naika Hanuma , <b>Aruna Kumar Doyijode B.</b> and Sreenivasa S	<i>Res. J. Chem. Environ.</i>	May-21	2278-4527
14	Transition Metal Complexes of Pyridyl Ligand as Light Emitting Materials in OLEDs,	Thippeswamy Basavaraja, Somashekara Bhadrachar, Kittappa M. Mahadevan and <b>Giriyapura R. Vijayakumar</b>	<i>Asian Journal of Chemistry; Vol. 32, No. 1 (2020), 161-166</i>	2020	0975-427X
15	Crystal structure and photoluminescent properties of bis(4'-chloro-2,2':6',2''-terpyridyl)cobalt(II) dichloride tetrahydrate	B. Thippeswamy, P. A. Suchetan, K. M. Mahadevan, H. Nagabhushana and <b>G. R. Vijayakumar</b>	<i>Acta Cryst.</i> (2020). E76, 496-499	2020	2056-9890
16	Synthesis, Spectral Characterization and Luminescent Properties of Ni(II) Complex Bearing 4,4'-dimethyl-2,2'-bipyridyl and Isothiocyanate Ligands for OLED Applications.	B. Thippeswamy, <b>G. R. Vijayakumar</b>	<i>Asian Journal of Chemistry; Vol. 32, No. 8 (2020), 1909-1913</i>	2020	0975-427X
17	Bisdesmethoxycurcumin promotes apoptosis in human platelets via activation of ERK signalling pathway	M. Paul, K. Manikantha, M. Hemashekar, M.S. Sundaram, <b>T N Ramesh</b> , K. Kemparaju, K.S. Girish	Toxicology in Vitro	2020	0887-2333
18	Structure and morphology studies of curcuminoids and curcuminoid mixture	<b>T.N. Ramesh</b> , M. Paul, K. Manikantha, K.S. Girish	Journal of Crystal Growth	2020	022-248
19	Colorimetric studies on the interaction of quinine with monosodium glutamate in aqueous solution	<b>T N. Ramesh</b> , S.V. Sharath	International Journal of Pharmaceutical Sciences and Nanotechnology	2021	0974-3278

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20	Synthesis Characterization And Antimicrobial Activities Studies Of N-{2-(4-Chlorophenyl) Acetyl} Amino Alcohols Derived From A-Amino Acids	<b>G. Venkateshappa</b> , G. Shivaraja, P. Raghavendra Kumar	International Journal of Pharmaceutical Sciences and Drug Research	2020	0975-248X
21	Multifunctional applications of Nickel oxide (NiO) nanoparticles synthesized by facile green combustion method using <i>Limonia acidissima</i> natural fruit juice"	M.S. Sunil Kumar , T.L. Soundarya , Udayabhanu , G. Nagaraju , G.K. Raghu , N.D. Rekha , Fahad A. Alharthi , <b>B. Nirmala</b>	"Inorganica Chimica Acta"	2021	0020-1693
22	Microwave assisted green synthesis of ZnO-AlPO composite and its adsorption studies	Shalini K.S, <b>Nirmala B</b> , Nagaraju G	Chemical Science and Engineering Research	2020	2582-3353
23	Investigation of corrosion inhibition property of triazole based Schiff bases on maraging steel in acid mixtures	Rachael Natash Mary, Ronald Nazareth, <b>Parameshwar Adimule Suchetan*</b> , Potla Krishnamurthy	Journal of Failure analysis and prevention	<b>2021</b>	1864-1245 (1547-7029)
24	Crystal structure, Hirshfeld surface analysis and Frontier molecular orbital analysis of N-[2-(trifluoromethyl)phenyl]-succinamic acid	<b>Suchetan P. A.</b> ,* N. K. Lokanath, S. Naveen, P. Krishna Murthy and Deepa Urs M. V	Asian Journal of Chemistry	<b>2020</b>	0970-7077
25	An analysis of structural, spectroscopic, quantum chemical and In silico studies of ethyl 3-[(pyridin-2-yl)amino]propanoate: A potential thrombin inhibitor	Nuthalapati Poojith, Nannapaneni Usha Rani, Krishna Murthy Potla*, J. John Rose, <b>P.A.Suchetan</b> , Renjith Raveendran Pillai, Suneetha Vankayalapati	Journal of Molecular Structure	2021	0022-2860
26	Y-shaped potential third-order nonlinear optical material - 3-(2-amino-2-oxoethyl)-5-methyl hexanoic acid: An analysis of structural, spectroscopic and docking studies	Nuthalapati Poojith, Krishna Murthy Potla*, Francisco A. P. Osório, Clodoaldo Valverde, Suneetha Vankayalapati, <b>P.A. Suchetan</b> , M. Raja	New Journal of Chemistry	2020	1144-0546 (1369-9261)
27	New (N,O) Schiff bases of 2-hydroxynaphthaldehyde and their homoleptic Zn(II) and Cu(II) complexes - Synthesis, Structural Characterization, Hirshfeld surface analysis and Antimicrobial activity studies	C. E. Satheesh, P. Raghavendra Kumar*, <b>P. A. Suchetan</b> , H. Rajanaika, S. Foro	Inorganica Chimica Acta	2021	0020-1693 (1873-3255)
28	An analysis of spectroscopic, computational and biological activity studies of L-shaped sulfamoylbenzoic acid derivatives: A third order	Krishna Murthy Potla*, Francisco A. P. Osório, Clodoaldo Valverde, Sampath Chinnam, <b>P.A. Suchetan</b> , Suneetha Vankayalapati	Journal of Molecular Structure	2020	0022-2860

	nonlinear optical material				
29	Synthesis, crystal structures, photophysical, electrochemical studies, DFT and TD-DFT calculations of new 2,2':6',2''-terpyridine ligands with pendant 4'-(trimethoxyphenyl) and their homoleptic Ruthenium complexes	Golla Ramesh, Raghavendra Kumar P., Manohar Pillegowda, Ganga Periyasamy, <b>P. A. Suchetan</b> , R. J. Butcher, Sabine Foro and G. Nagaraju	New Journal of Chemistry	2020	1144-0546 (1369-9261)
30	Crystal structure and photoluminescent properties of bis(4'-chloro-2,2':6',2''-terpyridyl)cobalt (II) chloride	Thippeswamy B., <b>Suchetan P. A.</b> , Mahadevan K. M., Nagabhushana H. and Vijayakumar G. R. *	Acta Crystallographica Section E: Crystallographic Communications	2020	2056-9890
31	Novel tandem Knoevenagel-Michael condensation product of naphtho[2,1-b]furan-2-carbaldehyde with dimedone: Synthesis, spectroscopic and crystal structure studies	Shet Prakash M.*, Simtha G. Somanatha T. M., <b>Suchetan P. A.*</b> , Krishna Swamy G., Naveen S. and Lokanath N.K	Chemical Data Collections	2020	2405-8300
32	Anticorrosive Effects of Derivatives of p-(N,N-dimethylamino)benzylidene]amino-1,2,4-triazole on 316 Stainless Steel in HCl Medium: Experimental and Computational Study	Nandini S., Ronald N., <b>Suchetan P. Adimule*</b> , Krishnamurthy P.	Journal of Failure analysis and prevention	2021	1864-1245 (1547-7029)
33	Fe <sub>3</sub> O <sub>4</sub> -Lignin@Pd-NPs: A highly efficient, magnetically recoverable and recyclable catalyst for Mizoroki-Heck reaction under solvent-free conditions	Marulasiddeshwara Madrahalli Bharamanagowda, <b>Raghavendra Kumar Panchangam</b>	Applied Organometallic chemistry	2020	Online ISSN:1099-0739
34	Synthesis, Characterization, Biological Activities of novel tridentate ligand and its Cu(II) & Ni(II) Complexes	<b>Dr Madavi Sunitha</b>	Journal of Advanced Scientific Research	2020	0976-9595
35	Structural Characterization, Antimicrobial, Antioxidant, Molecular docking studies of novel 4-(2,4-dimethoxyphenyl)-2,6-bis(1,3-thiazol-2-yl)pyridine and its Cu(II) & Ni(II) Complexes	<b>Dr Madavi Sunitha</b>	Journal of Advanced Scientific Research	2020	0976-9595

36	Antioxidant, Antimicrobial, Molecular Docking Studies of Novel 2,6-bis(1,3-Thiazol-2-yl)-4-(3,4,5-trimethoxyphenyl)pyridine and its Cu(II) and Ni(II) Complexes	<b>Dr Madavi Sunitha</b>	Asian Journal of Organic & Medicinal Chemistry	2020	2456-8937
37	Synthesis and discovery of N-(1-methyl-4-oxo-4,5-dihydro-1H-imidazol-2-yl)-[1,1'-biphenyl]-2-carboxamide derivatives as antimicrobial agents	S. R. Ashok, M. K. Shivananda, <b>M. Shet Prakash</b> , S. Sreenivasa, Alagumuthu Manikandan	Journal of Heterocyclic Chemistry	2020	1943-5193
38	Synthesis, biological screening, in silico study and fingerprint applications of novel 1,2,4-triazole derivatives	S. R. Ashok, M. K. Shivananda, <b>M. Shet Prakash</b> , S. Sreenivasa, Alagumuthu Manikandan	Journal of Heterocyclic Chemistry	2020	1943-5193
39	Novel tandem Knoevenagel-Michael condensation product of naphtho[2,1-b]furan-2-carbaldehyde with dimedone: Synthesis, spectroscopic and crystal structure studies	<b>Shet Prakash M.*</b> , Simtha G. Somanatha T. M., Suchetan P. A.*, Krishna Swamy G., Naveen S. and Lokanath N.K	Chemical Data Collections	2020	2405-8300
40	Effect of aqueous extract of tender mango seed on blood coagulation, fibrinolytic activities and on platelet function.	<b>Bhagyalakshmi M</b> , Devaraja S and Santhos sabatsien	journal of advanced scientific research, Vol 11(6), p 85-92	2020	ISSN-0976-9595.
41	Green synthesis of zinc oxide nanoparticles from the leaf, stem and in vitro grown callus of <i>Mussaenda frondosa</i> L.: characterization and their applications	Manasa Dogganal Jayappa, Chandrashekar Konambi Ramaiah, Masineni Allapuramaiah Pavan Kumar, <b>Doddavenkatanna Suresh</b> , Ashwini Prabhu, Rekha Panchappady Devasya, Sana Sheikh	Applied nanoscience	2020	2190-5517
42	Silver-doped ZnO embedded reduced graphene oxide hybrid nanostructured composites for superior photocatalytic hydrogen generation, dye degradation, nitrite sensing and antioxidant activities	P.C.Nethravathi, <b>D.Suresh</b>	Inorganic Chemistry Communications	2021	1387-7003
43	Proficient synthesis of zinc oxide nanoparticles from <i>Tabernaemontana heyneana</i> Wall. via green combustion method: Antioxidant, anti-inflammatory, antidiabetic, anticancer and photocatalytic activities	D. J. Manasa, K. R. Chandrashekar, M. A. Pavan Kumar, <b>D. Suresh</b> , D. J. Madhu Kumar, C. R. Ravikumar, Tanima Bhattacharya, H. C. Ananda Murthy.	Results in Chemistry	2021	2211-7156
44	Ag and BiVO <sub>4</sub> decorated reduced graphene oxide: A potential nano hybrid material for photocatalytic, sensing and	P. C. Nethravathi, M. V. Manjula, S. Devaraja, <b>D. Suresh</b>	Inorganic Chemistry Communications	2021	1387-7003

	biomedical applications				
45	<i>Centella asiatica</i> mediated facile green synthesis of nano zinc oxide and its photo-catalytic and biological properties	M. A. Pavan Kumar, <b>D. Suresh</b> , A. H. Sneharani	Inorganic Chemistry Communications	2021	1387-7003
46	TiO <sub>2</sub> and Ag-TiO <sub>2</sub> nanomaterials for enhanced photocatalytic and antioxidant activity: Green synthesis using <i>Cucumis melo</i> juice	<b>D.Suresh</b> P.C.Nethravathi, Udayabhanu, G.Nagaraju	Materials Today: Proceedings	2021	2214-7853

### Papers Published in National/International Conference Proceedings

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Name of the publisher
1	<b>Dr T N Ramesh</b>		Decolorisation of aniline blue from aqueous solution using magnesium hydroxide	E-proceeding on Recent studies on biodiversity, conservation, climate change and ecosystem management	Recent studies on biodiversity, conservation, climate change and ecosystem management	National	2021	975-93-5408-080-7	Sangola College, Maharashtra
2	<b>Dr T N Ramesh</b>		Photocatalytic degradation studies of indigo carmine dye in aqueous solution using magnesium oxide	E-proceeding on Recent studies on biodiversity, conservation, climate change and ecosystem management	Recent studies on biodiversity, conservation, climate change and ecosystem management	National	2021	975-93-5408-080-7	Sangola College, Maharashtra

**Books/ Book Chapters Published (as author/co-author)**

A Pharmacological And Phytochemical Study Medicinal Plants, LAP LAMBERT Academic Publishing, 2020, A Pharmacological And Phytochemical Study Medicinal Plants, 1-88, LAP LAMBERT Academic Publishing, 978-620-2-81486-7.

**Faculty Participation as Resource Persons:**

- Dr. Suchetan P.A. served as Reviewer for the journal Chemical data collections (Elsevier publisher).
- Dr. Suchetan P.A. served as Reviewer for the journal of Molecular Structure (Elsevier publisher).
- Dr. Suchetan P.A. served as Reviewer for the Engineering Science and Technology: An International Journal (Elsevier)
- Dr. Suchetan P.A. served as Reviewer for the Chiang Mai Journal of Science.
- Dr. Suchetan P.A. served as Reviewer for the Open Science Journal.
- Dr. Suchetan P.A. served as Member of editorial board of Exploratory materials science research journal

**Orientation/Refresher Courses attended:**

Sl. No.	Name of the Faculty	Course	Date and Year (From-To)	Organizing College/University
1	Dr. Suchetan P. A	Participated in the 4 week SWAYAM Online FDP on Learning Management System - MOODLE	Jan-Feb 2021	SWAYAM and NITTTR, Chennai (Online course)
2	Dr. Suchetan P. A	Participated in the 8 week (Jan-Mar 2021) SWAYAM NPTEL Online FDP on Approximate methods in quantum chemistry	Jan-Mar 2021	IIT Kharagpur and SWAYAM NPTEL(Online course)

**Department Extension/Co-curricular Activities (NSS, NCC, Community development, Sports etc)**

**Research Scholars working in the department/awarded for their Ph.D degree**

Sl. No	Name of full time teacher with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit.	Qualification (Ph.D./D.M/ M.Ch./ D.N.B Superspeciality/ D.Sc./D'Lit. ) and Year of obtaining	Name of the scholar	Year of registration of the scholar	Title of the thesis for scholar
1	Dr. S. Sreenivasa	M.Sc.,Ph.D., D.Sc.	Mohan N R	Part time	degree awarded
			Manoj Kumar K E	Part time	degree awarded
			Anitha H C	Part time	degree awarded
			Niveditha R Desai	Part time	degree awarded
			Parashurama L	Part time	degree awarded
			Naveen Kumar	Part time	degree awarded
			Ghouse Khan	Part time	degree awarded
			Akshatha S	Part time	degree awarded
			Raghuram Shetty P	Part time	degree awarded
			Shivaraja G	Part time	degree awarded
			Divyarani K	2020-21	Synthesis and characterisation of modified metal organic framework materials for photocatalytic degradation of dyes.
			Suresha E	2020-21	Synthesis, Characterisation of doped metal oxide nanoparticles and their applications
2	Dr. Aruna Kumar D B	M.Sc., M.Tech., Ph.D	Swamy S	2020-21	Synthesis characterization of ferrite based nano materials and its applications
3	Dr. G R Vijayakumar	Ph.D, 2007	Mrs. Latha R	2020-21	Synthesis of certain transition metal complexes containing heterocyclic ligands and study their biological applications
4	Dr. T N Ramesh	PhD	Pushpa T M	2020-21	Synthesis and applications of two-dimensional nanomaterials and Van der waals heterostructures

5	Dr. T N Ramesh	PhD	Shwetha R M	2020-21	Synthesis, characterization and applications of transition metal and mixed metal hydroxides/hydroxysalts/oxyhalides/based nanomaterials
6	Dr. Jayashankar B	PhD	Satheeshkumar B N	2020-21	Synthesis characterization and biological studies of some oxygen and nitrogen containing heterocyclic compounds
7	Dr. Jayashankar B	PhD	V Padmaja Doppalapudi	2020-21	Synthesis characterization and biological activity of new acyclic Schiff base ligands and their metal complexes
8	Dr. Narendra N	PhD	Yathish S L	2020-21	Studies on synthesis of thionated peptide mimetics
9	Dr. Narendra N	PhD	Naveen D.S.	2020-21	Studies on nano metal oxides mediated couplings with unactivated acids in peptide and peptide mimetics synthesis
10	Dr. Nirmala B	Ph.D, 2004	Soundaraya T L	2020-21	Fabrication of metal oxides/metal sulphides based nanostructured materials for photocatalytic hydrogen generation, lithium-ion battery and electrochemical sensor
11	Dr. Suchetan P.A	Ph.D. (2013)	Mrs. Radha G.K.	2020-21	Exploring the ability of a few n-substituted succinilic/maleinilic acids as potential cocrystal formers
		Part Time	Rachael Natash Mary		Awarded
		Part Time	Rachael Natash Mary		Awarded
		Ph.D. (2013)	Mrs. Vidyarani	2020-21	Investigation of certain 2-aminothiazole derivatives as effective cocrystallizing agents
12	Dr. Raghavendrakumar P	PhD	Mrs. Mohankumari T N	2020-21	Biopolymer supported metallic and bimetallic nanoparticles and their applications
13	Dr. Krishna	Ph.D	Mrs. Samreen Naz	2020-21	Green Synthesis, Characterization and efficacy analysis of Nanoferilizers and Nanopesticides
14	Dr. Suresh D	MSc PhD	Harshitha V	2020-21	Eco-friendly preparation of doped metal oxides, layered nano-hybrids and their applications.



15	Dr. Raghavendrakumar P	PhD	Rajesh V	2020-21	Synthesis, Characterization, Photophysical, Electrochemical and Biological Studies of New N,N,N-ligands and their Fe and Ru complexes
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**Others:**

- Dr. Sreenivasa S, attended social activities like blood camps, social awareness programmes held in college premises.
- Dr. Sreenivasa S, reviewed manuscripts of various journals.
- Dr. Sreenivasa S, arranged classes for competitive examinations like NET, GATE and KSET.
- Dr. Sreenivasa S, attended subject related meetings, associations and subject related workshops.
- Dr. Sreenivasa S, prepared study materials, practical experimental videos and manuals for students.
- Dr. Sreenivasa S, prepared PowerPoint modules and lecture videos and uploaded to YouTube and slide share.
- Dr. Suchetan P.A. served as Deputy Registrar of Academic Section and Syndicate section of Tumkur University.
- Dr. Suchetan P.A. served as PRO during Tumkur Grama panchayat election on 22/12/2020.
- Dr. Suchetan P.A. served as counting supervisor during Tumkur Grama panchayat election on 30/12/2020.
- Dr. Suchetan P.A. donated one day salary towards Karnataka CM natural calamity relief fund during Covid crisis.
- Dr. Suchetan P.A. donated 5000Rs. towards CM natural calamity relief fund during Covid crisis on 30/03/2020.
- Dr. Suchetan P.A. donated 5000Rs. towards PM cares during Covid crisis on 30/03/2020.
- Dr. Nirmala B , RED Ribbon club HIV AIDS and YOUTHS , Health and Family welfare Department, Tumkur

**Awards and recognitions received for extension activities from government/ government recognized bodies during the year**

Sl. No.	Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ government recognised bodies	Year of award
1	NCC	Karnataka And GOA NCC Deputy Director General Commendation	GOVT	Feb-21
2	NCC	Karnataka, CM Commendation	GOVT	Feb-21
3	NCC	Karnataka And GOA NCC Deputy Director General Commendation	GOVT	Feb-21
4	NCC	Karnataka And GOA NCC Deputy Director General Commendation	GOVT	Feb-21
5	Research	InSc Research Excellence Award to Dr. Krishna, Dept of Biotechnology	Institute of Scholars (InSc)	2020
6	Volunteer for Covid -19 Relief effort	Certificate of appreciation for dedication and outstanding efforts in serving vulnerable communities in Bangalore through COVID -19 Relief Effort	Akshaya Patra Foundation, bangalore	2020
7	Sports	Certificate of appreciation to Dr Manjunath, Physical Education Dept. for successfully completing "Physical Education and Sports Quizz" organized by Govt First Grade College, Gubbi	Govt. First Grade College(Autonomous), Gubbi 572216	Jul-05

Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year: i. Academic council/BoS of Affiliating university; ii. Setting of question papers for UG/PG programs; iii.Design and Development of Curriculum for Add on/ certificate/ Diploma Courses; iv. Assessment /evaluation process of the affiliating University

Year	Name of teacher participated	Name of the body in which full time teacher participated
2020-21	Dr. Suchetan P.A.	BoS member in Chemistry
2020-21	Smt. Savitha K R	BoS member in Biochemistry
2020-21	Dr.Bhagyalakshmi M	BoS member in Biochemistry
2020-21	Dr.Aruna Kumar D B	BoE Chairman in Organic Chemistry
2020-21	Dr.Aruna Kumar D B	BoE Chairman in NCC
2020-21	Dr.Aruna Kumar D B	BoE member in NCC
2020-21	Dr.Aruna Kumar D B	BoE member in Organic Chemistry
2020-21	Dr.Vijayakumar	BOAE member in Chemistry

2020-21	Dr.Ramesh T N	BOAE chairman in Chemistry
2020-21	Dr.B Jayashankar	BoE (PG)member in Chemistry
2020-21	Dr. Shet M Prakash	BoE (PG)Chairman in Chemistry
2020-21	Dr.Suresh D	BoE (PG)member in Chemistry
2020-21	Dr.Suresh D	BOAE member in Chemistry
2020-2021	Dr.Madavi Sunitha	Question paper setter in Chemistry(UG)
2020-2021	Dr.Madavi Sunitha	Question paper setter in Chemistry(PG)
2020-21	Dr.Raghavendra Kumar P	Question paper setter in Chemistry(PG)
2020-2021	Dr.T N Ramesh	Chemistry -Doctoral committee member
2020-2021	Dr.Vijayakumar G R	BoE chairman for Ph.D course work in Chemistry

## DEPARTMENT OF PHYSICS (PG)

### Vision

Develop knotty thoughts that lead to inculcation of knowledge.

### Mission

Facilitates the students, researchers to face challenges and integrate the knowledge to accelerate the science and technology.

### Goals

To start add-on programmes in Nuclear Physics, Classical Mechanics, Quantum Mechanics and Material Science

To encourage students to take up projects and work on them in consultation with the faculty

To arrange student exchange and faculty exchange programmes with other Universities at national and international levels

To work on consultancy projects and apply for registration of patents and intellectual property

**Coordinator of the Department: Dr. Veerabhadrayya M**

### Faculty Strength

Sl. No.	Name	Designation	Qualification
1	Dr. Veerabhadrayya M	Coordinator, Assistant Professor	M.Sc., Ph.D.
2	Dr. Chikkappa Udagani	Assistant Professor	M.Sc., Ph.D

3	Dr. B.S. Palakshamurthy	Assistant Professor	M.Sc., Ph.D.
4	Smt. Mangala Gowri M	Assistant Professor	M.Sc.

### Student Strength

Class	Intake	S.C.		ST		OBC								G.M.		Total			
						C-1		2A		2B		3A		3B					
		B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G
<b>I Year BSc/BA/B Com/BBM/BFA</b>																			
<b>M.Sc. I Year</b>	72	4	2	1	7	1	4	4	11	0	1	3	9	2	11	0	0	15	46
<b>M.Sc. II Year</b>	72	4	3	2	0	3	9	5	11	0	2	2	4	1	3	0	1	17	33
<b>Total</b>	144	8	5	3	7	4	13	9	22	0	3	5	13	3	14	0	1	32	79

### Result Analyses

	COURSE	I Sem	II Sem	III Sem	IV Sem
<b>Appeared</b>	<b>M.Sc. Physics</b>	<b>47</b>	<b>46</b>	<b>51</b>	<b>51</b>
<b>I CLASS</b>		<b>23</b>	<b>26</b>	<b>32</b>	<b>42</b>
<b>II CLASS</b>		<b>4</b>	<b>3</b>	<b>4</b>	<b>4</b>
<b>PASS CLASS</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>
<b>TOTAL %</b>		<b>57.4%</b>	<b>63%</b>	<b>72.5%</b>	<b>90.1%</b>

### Articles Published in National/International Journals

Chikkappa Udagani, B. Chethan, Y. T. Ravikiran, H. C. Sateeshkumar, M. R. Rakesh, G. E. Revanna, A. S. Suchandra.; Effect of titanium dioxide in enhancing the humidity sensing performance of polypyrrole. AIP Conf. Proc. 5 October 2020; 2274 (1): 030006. <https://doi.org/10.1063/5.0022660>

Veerabhadrayya, M.; Kumari, R. Ananda; Nagaraju, G.; Udayabhanu; Ravikiran, Y. T.; Chethan, B., Structural, Optical and Electrical Properties of Ce Doped SnO<sub>2</sub> Nanoparticles Prepared by Surfactant Assisted Gel Combustion Method. Journal of Nano- & Electronic Physics, 2020, Vol 12, Issue 4, p1, ISSN 2077-6772, [https://doi.org/10.21272/jnep.12\(4\).04017](https://doi.org/10.21272/jnep.12(4).04017)

### Orientation/Refresher Courses attended: 02

Sl. No.	Name of the Faculty	Course	Date and Year	Organizing College/University
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			<b>(From-To)</b>	
1	Dr. Veerabhadrayya M.	Short-Term Course on ExpEYES and eSim	03/08/2020 to 12/08/2020	Spoken Tutorial IIT Bombay (An Initiative of National Mission on Education through ICT, MHRD, Govt. of India) under the scheme of PMMMNMTT
2	Dr. Mangala Gowri M.	Two week Faculty Development Programme (FDP) on Multimedia and Drawing (Interdisciplinary)	03-06-2020 to 16-06-2020	Spoken Tutorial IIT Bombay (An Initiative of National Mission on Education through ICT, MHRD, Govt. of India) under the scheme of PMMMNMTT

Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year: i. Academic council/BoS of Affiliating university; ii. Setting of question papers for UG/PG programs; iii. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses; iv. Assessment /evaluation process of the affiliating University

<b>Year</b>	<b>Name of teacher participated</b>	<b>Name of the body in which full time teacher participated</b>
2020-2021	Dr.Mallesappa J	BoS chairman in Physics
2020-2021	Dr.Mallesappa J	Physics -Doctoral committee member

## **DEPARTMENT OF ENVIRONMENTAL SCIENCE (PG)**

### **VISION**

The vision of the department is to excel in education, research and outreach with a strategic focus on functions of various environmental systems, technology and its impact on the society.

### **MISSION**

The mission of the department is to provide a stimulating learning environment that produces skilled professionals who can sustainably manage world's natural resources

### **GOALS**

### **SHORT TERM GOALS**

Impart training to students to be knowledgeable and skilled in science of sustainable resource management

Analysis of local environmental problems and try to find sustainable solutions at multiple levels

Identify Limiting factors for critical environmental processes and significant micro-organisms

Identification of key biotic interactions in environmental hot spots

Study Structure and function of food webs in limiting environments

### LONG TERM GOALS

Work closely with internationally renowned scientists specializing in biotechnology, public policy, environmental economics, and social justice.

Create a framework that can provide new insights and raise new questions, providing unique opportunities for multi- and interdisciplinary research and education.

Establish a Centre for meta-analysis on identification of environmentally favorable traits.

Integrate biological systems, climate and energy sustainability in all future research programmes.

**CHAIRMAN/CO-OORDINATOR:** Dr. R. G. Sharathchandra

### FACULTY

Name	Designation	Qualification	Specialization
Dr. Raja Naika H	Assistant Professor	Ph.D	Environmental Biotechnology
Dr.R. G. Sharathchandra	Assistant Professor	Ph.D	Desiccation tolerance, Proteomics

### Research Projects:

#### Sanctioned/Ongoing/Completed:

Sl. No	Name of the faculty(principal/ Co investigator)	Title of the project	Funding agency	Amount	Year (From-To)	Remark
	Dr. H. Raja Naika /DOSR in Environmental Science	Biogenic Synthesis of Nano materials and their Environmental applications	VGST	3,00,000 /-	10/11/2020	Ongoing

#### Conferences/Workshops/Seminars Organized by the Department : 02

## Articles Published in National/International Journals :

Sl. No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
1	Biosynthesis of Nickel oxide Nanoparticles from <i>Euphorbia heterophylla (L.)</i> and their biological application. .	K Lingaraju, <b>H Raja Naika</b> , H, Nagabhushana, K Jayanna, S Devaraja, G Nagaraju	Arabian Journal of Chemistry, 13(3)4712-4719	2020	1878-5352
2	Exploration and evaluation of bioactive phytocompounds against BRCA proteins by <i>in silico</i> approach	H. Prabhavathi, K. R. Dasegowda, K. H. Renukananda, K. Lingaraju & <b>H. Raja Naika</b>	Journal of Biomolecular Structure and Dynamics, 8,1-15	2020	Online ISSN: 1538-0254
3	Molecular docking and dynamic simulation to identify potential phytocompound inhibitors for EGFR and HER2 as anti-breast cancer agents	H Prabhavathi, KR Dasegowda, KH Renukananda, Prashantha Karunakar, K Lingaraju, <b>H Raja Naika</b>	Journal of Biomolecular Structure and Dynamics, 21,1-12	2020	1538-0254
4	Biocompatible Cicer arietinum seeds assisted MgO NPs for antibacterial and photocatalytic dye degradation	J Thanuja, <b>H Raja Naika</b>	International Journal of Botany Studies.5(6), 768-772.	2020	2455-541X
5	Plant mediated green synthesis of Zinc ferrite nanoparticles and its biological applications	Ashwini Karthikeyan, <b>Raja Naika Hanumanaika</b> , Gurushantha K, Krushitha Shetty	International Journal of Botany Studies. Volume 6, Issue 1, 2021, Pages 197-200.	2020	2455-541X
6	<i>In silico</i> screening of phytochemicals to explore potent anti-breast cancer inhibitors against estrogen receptors	H Prabhavathi, KR Dasegowda, K Lingaraju, <b>H Raja Naika</b>	International Journal of Botany Studies, 5(6) 508-515	2020	2455-541X
7	Study of Enzymes, HPLC and NMR analysis of Varieties of <i>Cucumis sativus</i> L. of Hassan District	K.Latha and <b>H. Raja Naika</b>	Annals of Biology 36(3),359-365.	2020	0970-0153
8	MS Q-TOF analysis of <i>Cucumis sativus</i> L. and Evaluation of its antiproliferative, Antioxidant and Na <sup>+</sup> /K <sup>+</sup> - ATPase activity	K.Latha and <b>H. Raja Naika</b>	Annals of Agri-Bio Research 25(2),185-190.	2020	No
9	New (N,O) Schiff bases of 2-hydroxynaphthaldehyde and their homoleptic Zn(II) and Cu(II) complexes - Synthesis, Structural Characterization, Hirshfeld	C. E. Satheesh, P. Raghavendra Kumar*, P. A. Suchetan, <b>H. Rajanaika</b> , S. Foro	Inorganica Chimica Acta	2021	0020-1693 (1873-3255)

	surface analysis and Antimicrobial activity studies				
10	Biocompatible fabrication of TiO <sub>2</sub> nanoparticles: Antimicrobial, anticoagulant, antiplatelet, direct hemolytic and cytotoxicity properties	K Lingaraju, RB Basvaraj, K Jayanna, S Bhavana, S Devaraj, HM Kumar Swamy, G Nagaraju, H Nagabhushana, <b>H Raja Naika</b>	Inorganic Chemistry Communications, 12 7,108505	2021	1387-7003

### Conferences/Workshops/Seminars Organized :

Sl. No.	Workshop/ conference/ special lecture/ seminar	Date of the programme	Department/ College	Financial assistance from Tumkur University	Financial assistance from other funding agencies
01	National Webinar on World environmental Day-2020	05/06/2020	DOSR in Environmental Science	--	--

### Any other Activities:

Awards and Recognition to the University, faculty and other employees by :

Organizations/ institutions of global repute - VGST

State/ central government and their organizations – Karnataka, VGST

### Subject/ professional organizations, societies and others:

Biotechnology/ Award for Research Publications

## DEPARTMENT OF PHYSICS (UG)

**Vision:** Our vision is to cultivate a dynamic and inclusive environment where curiosity thrives, leading to groundbreaking discoveries in the realm of physics. We aspire to be at the forefront of advancement in physics, shaping the future of physics and empowering individuals to tackle society's most pressing challenges.

**Mission:** To foster a collaborative community of scholars dedicated to pushing the boundaries of knowledge in physics through rigorous research and experimental learning. We are committed to providing high-quality education, training the next



generation of physicists, and engaging with society to promote scientific literacy and address real-world problems.

**Goals:** Advancing fundamental understanding by doing cutting-edge research , providing high- quality education and training to students, collaborating with other departments and institutions to tackle complex scientific problems, creating an environment that celebrates diversity, promotes equity and fosters inclusivity and ensuring equal opportunities to thrive in physics.

Sl. No	Name of the faculty	Designation	Qualification
1.	Dr. Chethan Pratap K N	Assistant Professor, HOD	M.Sc , PhD
2.	Dr. J Malleshappa	Assistant Professor	M.Sc, M.Phil, PhD
3.	Dr. G. Ramakrishna	Assistant Professor	M.Sc, M.Phil, PhD
4.	Dr. R.G.Vaidya	Assistant Professor	M.Sc , PhD
5.	Mr. Hemantha M	Assistant Professor	M.Sc
6	Mr. Narayan Gaonkar	Assistant Professor	M.Sc
7.	Mr. Sreehari E	Guest Lecturer	M.Sc
8.	Mrs. Roopa M	Guest Lecturer	M.Sc
9.	Ms.Abhilasha B	Guest Lecturer	M.Sc
10.	Ms. Poojashree K M	Guest Lecturer	M.Sc

#### Result Analysis:

Details	Final Result
Appeared	406
Distinction	192
First class	40
Second class	Nil
Total pass percentage	57.14

#### Research Guidance:

Sl.No	Name of the Guide	Name of the Research Scholar	Funding agency , Full-time/Part-time	Remarks(registered/thes issubmitted/degree awarded)
1	Dr. J. Malleshappa	Lavanya D .R	Full-time	Registered
2.	Dr. J. Malleshappa	Srinivasa P R	Part-time	Registered
3.	Dr. J. Malleshappa	Mamatha G R	Full-time	Registered

4.	Dr. J. Malleshappa	Chandana M R	Full-time	Registered
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**Books/Book chapters Published (as author/co-author)**

Title of the book/ Title of the chapter	Author's name	Year of publication	Publisher	ISBN
Fundamentals of Physics Paper 101 Mechanics and Special Theory of Relativity For BSc I sem of Tumkur University	Dr. G. Ramakrishna	Jan-21	Sapna Book House, Gandhinagar Bangalore 560009	ISBN:978-93-90490-54-7
Fundamentals of Physics Paper 301 Thermodynamics, Low temperature Physics, Radiation and Optics For BSc III semester of Tumkur University	Dr. G. Ramakrishna	Jan-21	Sapna Book House, Gandhinagar Bangalore 560009	ISBN:978-93-90490-62-2
Fundamentals of Physics Paper -503 Quantum Mechanics-I Astrophysics and Nuclear Physics -I	Dr. G. Ramakrishna	Jan-21	Sapna Book House, Gandhinagar Bangalore 560009	ISBN:978-93-90490-70-7
Fundamentals of Physics Paper -501 Semiconductor Devices, Digital Electronics, Lasers and Fiber optics	Dr. G. Ramakrishna	Feb-21	Sapna Book House, Gandhinagar Bangalore 560009	ISBN:978-93-90490-36-3
Structural and Luminescence properties of pure $Y_2SiO_5$ nanopowders	Dr. G. Ramakrishna	2021	Lambart Academy of Publishing	978-62-03194-87-6
Spectroscopic and Luminescence Studies of RE Doped $Y_2SiO_5$ NPs	Dr. G. Ramakrishna	2021	Lambart Academy of Publishing	978-62-03199-71-0
Luminescence studies of $CeO_2$ doped NPs synthesized by chemical route	Dr. J Malleshappa	2021	Lambart Academy of Publishing	978-62-03195-07-1
RE and TM ions doped $CeO_2$ nanoposphors via Bio-mediated route	Dr. J Malleshappa	2021	Lambart Academy of Publishing	978-62-03411-17-1

Fundamentals of Physics Paper 101 Mechanics and Special Theory of Relativity For BSc I sem of Tumkur University	Dr. J Malleshappa	Jan-21	Sapna Book House, Gandhinagar Bangalore 560009	ISBN:978-93-90490-54-7
Fundamentals of Physics Paper 301 Thermodynamics , Low temperature Physics, Radiation and Optics For BSc III semester of Tumkur University	Dr. J Malleshappa	Jan-21	Sapna Book House, Gandhinagar Bangalore 560009	ISBN:978-93-90490-62-2
Fundamentals of Physics Paper -503 Quantum Mechanics-I Astrophysics and Nuclear Physics -I	Dr. J Malleshappa	Jan-21	Sapna Book House, Gandhinagar Bangalore 560009	ISBN:978-93-90490-70-7
Fundamentals of Physics: Paper -501 Semiconductor Devices, Digital Electronics, Lasers and Fiber optics	Dr. J Malleshappa	Feb-2021	Sapna Book House, Gandhinagar Bangalore 560009	ISBN:978-93-90490-36-3

### Papers Published in National/International Journals

- Phonon mode-dependent lattice thermal conductivity of nanoscale black phosphorus by Narayan Gaonkar and R.G. Vaidya in Physics Letters A
- Lattice thermal conductivity of zigzag and armchair black phosphorus: Role of normal phonon by Narayan Gaonkar and R.G. Vaidya in Solid State Communication
- Thermal conductivity of zigzag and armchair black phosphorus: Role of normal phonons by Narayan Gaonkar and R G Vaidya in Physica E: Low Dimensional Systems and Nanostructures
- Enhancement of thermal conductivity in presence of macroscopic polarization fields: Role of dispersive transverse phonon modes in nanoscale GaN by Bommalingaiah B, Narayan Gaonkar, R G Vaidya in Material letters.

### Papers Published in National/International Conference Proceedings

- Mimosa pudica mediated synthesis of  $Ki^+$  co-doped  $Y_2O_3:Dy^{3+}$  nanophosphor for display devices at National conference on Technical Transformations in Materials, Manufacturing, Design, Automation and energy Engineering (TTMMDAEE-2020) by Dr. J Malleshappa and Dr. G Ramakrishna
- Spectroscopic and Luminescence studies of  $CeO_2:Fe^{3+}$  Nanophosphors prepared by

Solution Combustion Technique using Biofuel at National conference on Technical Transformations in Materials, Manufacturing, Design, Automation and energy Engineering (TTMMDAEE-2020) by Dr. JMallehappa and Dr. G Ramakrishna

- Solution Combustion Synthesis , Structural Characterization and photoluminescence Properties of  $\text{Sm}^{3+}$  Co-doped  $\text{Y}_2\text{SiO}_5: \text{Ce}^{3+}$  Nanophosphors for WLED Applications at National conference on Technical Transformations in Materials, Manufacturing, Design, Automation and energy Engineering (TTMMDAEE-2020) by Dr. J Mallehappa and Dr. G Ramakrishna
- Anisotropic Thermoelectric Power Factor in Phosphorene at Proceedings of the International Conference on Physics of Materials and Nanotechnology ICPN 2019 by Dr.R.G Vaidya and Mr.Narayan Gaonkar.

Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year: i. Academic council/BoS of Affiliating university; ii. Setting of question papers for UG/PG programs; iii.Design and Development of Curriculum for Add on/ certificate/ Diploma Courses; iv. Assessment /evaluation process of the affiliating University

Year	Name of teacher participated	Name of the body in which full time teacher participated
2020-2021	Dr.Mallehappa J	Question paper setter in Physics(UG)

## MATHEMATICS DEPARTMENT

### Vision:

To inculcate Mathematical thinking in students and thereby enhance their learning abilities

### Mission:

To create adequate opportunities for students to understand and appreciate the applicative potential of mathematics. To equip the students with abilities needed to handle the subject with greater levels of confidence.

### Faculty Strength:

Sl. No.	Name	Designation	Qualification
1.	Dr. Narahari N	Assistant Professor	Ph. D.
2.	Shylaja B. P	Guest Faculty Member	M. Sc.
3.	T. Manohar	Guest Faculty Member	M. Sc.
4.	Anitha H.D	Guest Faculty Member	M. Sc.
5.	Gowtham K.J	Guest Faculty Member	M. Sc.
6.	Chandan K.G	Guest Faculty Member	M. Sc.
7.	Shrikanth C.K	Guest Faculty Member	M. Sc.

8.	Premakumari N	Guest Faculty Member	M. Sc.
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### Articles Published in National/International Journals

Narahari N and Sangeetha T. L. General Fifth M-Zagreb Polynomials of the  $TUC_4C_8(R)[p, q]$  2D-Lattice and its Derived Graphs' published in the journal 'Letters in Applied NanoBioScience', Vol. 10(1), 2021.

Narahari N and Gowtham K. J. On Sombor Energy of Graphs' published in the journal 'Nanosystems: Physics, Chemistry, Mathematics', Vol. 12(4), 2021.

Narahari N, Magic Sigma Coloring of a Graph' published in the journal 'Computer Science Journal of Moldova', Vol. 29, no. 2(86), 2021.

Narahari N and Chandan K. G. On the M-polynomial and some topological indices of the para-line graphs of the nanostructure  $TUC_4C_8(R)$ ' in the journal South East Asian J. of Mathematics and Mathematical Sciences Vol. 17(3), 2021.

### Faculty Participation as Resource Persons:

Dr. Narahari N. has chaired a session during the Virtual International Conference on Discrete Mathematics and Combinatorics 2021 organized by Poornaprajan College & Postgraduate Centre, Udupi, Karnataka.

### Any other Activities:

Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year: i. Academic council/BoS of Affiliating university; ii. Setting of question papers for UG/PG programs; iii. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses; iv. Assessment /evaluation process of the affiliating University

Year	Name of teacher participated	Name of the body in which full time teacher participated
2020-21	Dr. Narahari N.	BoS member in Mathematics

## BOTANY DEPARTMENT

**Vision:** leads to biological skills, conservation of biodiversity, usage of medicinal plants to inspiring and build the next generation of entrepreneurs and researchers for the nation.

**Mission:** aims at Ensuring advanced knowledge about plants and importance of flora to our daily life.

**Goals :**

Dissemination of knowledge, progress of the students, researchers in the field of botany

- To popularize the benefits of Botany and encourage more utilization of flora
- Training the students to facilitates them for higher studies in botany and for competitive exams

Develop an engaged diverse high quality student population

**Faculty Strength: 07**

Sl. No.	Name	Designation	Qualification
1	Mrs Shalini B R	Associate Professor	MSc, (Ph.D)
2	Dr Lakshamana	Guest Faculty	MSc., Ph.D
3	Mrs. Indushree M N	Guest Faculty	MSc.,
4	Mr. Raghuprasad K V	Guest Faculty	MSc., B.Ed
5	Mr. Shreenivasa L G	Guest Faculty	MSc.,
6	Ms. Roopashree R	Guest Faculty	MSc.,
7	Ms. Kusuma M H	Guest Faculty	MSc.,

**Conferences/Workshops/Seminars Organized**

- a. Extraction, Isolation and Purification of Phyto constituents Conducted on 25/07/2018 by Dr. Nandeesh R.
- b. An Ecological phenomenon- an Over view, Conducted on 21/07/2018 by Dr. Nandeesh R.
- c. Know Your Neighboring Plants, Conducted on 18/07/2018 by Prof. K P Shreenath.
- d. Advance Waste Water Management Conducted on 23/07/2018 by Dr. V N Murulidhar.
- e. Dichotomy v/s Polyclave in Taxonomy Conducted on 26/07/2018 by Prof. K P Shreenath.
- f. Water Quality and Portability Conducted on 23/07/2018 by Dr.V N Murulidhar.
- g. Seed Storage and Technique Conducted on 25/07/2018 by Prof. Rajeswari N.
- h. Medicinal Plants in Day to Day Life Conducted on 30/07/2018 by Dr. Nandeesh R
- i. Post Harvesting Techniques in Agriculture crops Conducted on 27/07/2018 by Prof. Ramesh Babu.
- j. Phytochemical Screening conducted on 28/07/2018 by Dr. Nandeesh R

**Papers Published in National/International Conference Proceedings**

- a. Dynamics of Cyanophyceae in Lentic water bodies of Koratagere taluk of Tumkur

District, Karnataka. IJCRT March 2018, Vol 6(1); 1386-1391.

b. Limonological profile of Gattla Gollahalli wetland of Tumkur District, Karnataka.

JETIR November 2018, Vol 5(11);605-610.

### **Department Extension/Co-curricular Activities-**

Awareness programme about the usage of locally available medicinal plants in daily life for school children.

Awareness programme about the usage of locally available medicinal plants in daily life for farmers and women's.

Celebrated world's Environmental Day by Plantation

BOS member.

Convener for development of e-content in Botany for UG & PG.

Parents' Teachers' association coordinator.

Member of Planning Board UCST.

Coordinator of Women Empowerment cell.

Organized Science Exhibition on International Science Day Celebration.

**NSS Activities-** Students of the department are participated in NCC activities.

**Sports Activities-** Students of the department are actively participated in sports activities.

**Rangers and Rovers** - Students of the department are participated in Rangers and Rovers activities.

### **Any other Activities -**

Maintenance of botanical garden with locally available medicinal plants and ornamental plants.

## **ZOOLOGY DEPARTMENT**

**Vision:** To be a leading department as a centre of excellence for studying animal Sciences and to enhance the quality of education and superior services to the students.

**Mission:** To promote the discovery and broad communication of Knowledge of about biology of animals and to understand the animal life processes

**Goals:**

- To supplement the theory base with adequate on-the-field tasks by studying creatures in their natural habitats.
- To arrange for dissemination of information related to research in the discipline through periodical seminars, conferences and workshops
- To innovate in the area of artificial cell division and DNA synthesis.

**Faculty Strength:**

Sl. No.	Name	Designation	Qualification	Department
1	Dr. Parimala B	Assistant professor	M.Sc., M.Phil., B.Ed., Ph.D.	Zoology
2	H.M. Lalitha	Assistant professor	M.Sc.(Ph.D.)	Zoology
3	Dr. Poornima	Assistant professor	M.Sc.(Ph.D.)	Biotechnology
4	Dr. Krishna	Assistant professor	M.Sc.(Ph.D.)	Biotechnology
5	Dr. Rashmi Hosamani	Assistant professor	M.Sc.(Ph.D.)	Microbiology
6	Anjum	Assistant professor	M.Sc.(Ph.D.)	Microbiology
7	Ramya S V	Guest faculty	M.Sc.	Zoology
8	Ravikiran K. M	Guest faculty	M.Sc. B.Ed.	Zoology
9	Simi simon	Guest faculty	M.Sc	Zoology
10	Manasa S	Guest faculty	M.Sc B.Ed	Zoology

**Student Strength.**

**Orientation/Refresher Course:**

Sl. No.	Name of the Faculty	Title of the Course	Nature of the Course Online/offline	Date and Year (From-To)	Organizing College/University
1	Dr. Parimala B.	Online Short Term Faculty Development Programme on effective ways to develop E- Content for Teaching Learning (Environmental Biology)	Online	From 21/05/2020 to 30/05/2020	UGC-HRDC, Savitribai Phule Pune University, Pune Maharashtra



2	Dr. Parimala B.	Online Short Term Course on Challenges in Discovery of Antiviral Agents and Vaccines	Online	from 08/06/2020 to 13/06/2020	UGC-HRDC, Jawaharlal Nehru Technological University, Hyderabad Telangana
3	Dr. Parimala B.	Online Short-Term Faculty Development Programme on Earth and Environment Responses During Covid-19 (Environmental Biology) of Seven Days Duration	Online	From 11/07/2020 to 17/07/2020	UGC-HRDC, Savitribai Phule Pune University, Pune Maharashtra
4	Dr. H.M. Lalitha	FDP: Effective ways to develop e-content for Teaching Learning (Life science)	Online	21/5/2020 to 30/5/2020	UGC-HRDC Savithri bai Phule Pune University, Pune.
5	Dr. H.M. Lalitha	FDP: Modern teaching, Evaluation and Research methods UGC Scheme, STRIDE Component-1	Online	June-02 to June-07 2020	UGC Scheme, STRIDE Component-1 Vinayaka Rao Patil Mahavidyalaya, Vaijapur, Dist, Aurangabad
6	Dr. H.M. Lalitha	Short-term FDP: Earth and Environment responses COVID-19	Online	11/7/2021 to 17/7/2020	Department of Environmental sciences, Savithri bai Phule Pune University, Pune.
7	Dr. H.M. Lalitha	STP: Challenges in discovery of Antiviral agents and vaccines conducted	Online	8/6/2020 to 13/6/2020	UGC-HRDC, Jawaharlal Nehru Technological University, Hyderabad.
8	Dr. H.M. Lalitha	FDP: Innovative Teaching Learning Methodologies	Online	06-7-2020 to 10-7- 2020.	TLC -Coimbatore Institute of Technology

### Conferences/Workshops/Seminars organized by the Department:

Sl. No.	Name of the Conferences/Workshops/Seminars/Tour Special lecture/Any other activities	Date	Venue	No of Students attended
1	Special lecture on Applications of Tissue Culture	27-02-2020	Zoology lab, UCS, Tumkur.	50
2	Martyr's Day celebration	30-01-2021	Zoology lab, UCS, Tumkur.	160
3	World Wetland Day	02-02-2021	Zoology lab, UCS, Tumkur.	80
4	Azaadi ka Amrita Mahotsava	10-07-2021	Online	95

**Articles Published in National/International Journals:**

Sl. No.	Author's name/names (bold), author	Title of the Article	Journal name, year (bold), Vol. No., Page No.	ISSN/ ISBN No.
1.	Suraj R and <b>Parimala B.*</b> (Corresponding author)	Study of diversity of spider fauna in University College of Science campus, Tumakuru, Karnataka, India	International Journal of Innovative Research in Science, Engineering and Technology, <b>2020</b> Volume 9, Issue 5, pp. No.s 33012	e-ISSN: 2319-8753
2.	<b>Dr.H.M. Lalitha</b> Dr.S. Ramakrishna	Effect of physico-chemical parameters on phytoplankton diversity of Durgada Halli lake, Tumkur District	International Journal of Research and Analytical Reviews (IJRAR)7(4); <b>2020</b> :647-652. December-2020	E-ISSN 2348-1269

**Department Extension/Co-curricular Activities:**

- Guided the final year students for their projects prescribed in the syllabus.
- Conducted student Seminars.
- **NSS Activities:** Faculty members are involved in NSS activities (Weekly and camp)
- Student's participation in conferences/ workshop.
- Model preparation by students.

**Any other activities:**

**Dr. Parimala B**

**Chairperson/ Member of Board of Studies, Board of Examiners,/ Examination Chief Superintendent (BOE/BOS/BOAE)**

1. BOS Member (UG), Tumkur University
2. BOS Member (Ph.D), Tumkur University
3. BOS Member (Ph.D course work), Tumkur University

**Participated in Seminars/workshops/conferences/Short term courses/ Webinars**

1. Participated in 3 days International Faculty Development Programme "21<sup>st</sup> century Teaching Skills" organized by Annai Hajira Women's College, Melapalayam, Tirunelveli, Tamilnadu, held from 8<sup>th</sup> to 10<sup>th</sup> July 2020.

2. Participated in International Webinar on “Post COVID-19: Opportunities and Challenges for Education, Industry and Economy” organized by Poona College of Arts, Science and Commerce Camp, Pune, held on 16<sup>th</sup> May 2020.
3. Participated in “Two week Faculty Development Programme on Multimedia and Drawing” organized by Department of Computer Science, Government First Grade College, Harihara in association with spoken tutorial IIT Bombay, under the scheme of PMMMNMTT from 3<sup>rd</sup> June to 16<sup>th</sup> June 2020.
4. Participated in “One day International webinar on Environmental Management of Mosquito Vectors and Covid-19 vaccine trials” organized Department of Zoology, University PG College, Palamuru University Mahabubnagar, Telangana held on July 28<sup>th</sup> 2020.
5. Participated in the webinar on “Bees Awareness and Conservation” organized by Department of Zoology and IQAC on the occasion of world Bee Day, held on 20<sup>th</sup> May 2020.
6. Participated in webinar on “Bees and Bee products for a Healthy Life” organized by Department of Zoology Maharani’s Science College for Women, Bengaluru in association with DBT-STAR College Scheme and UGC-CPE, held on 3<sup>rd</sup> September, 3<sup>rd</sup> 2020.
7. Participated in the online quiz on “World Earth Day” 2020, organized by Eco Club in collaboration with Department of Botany, Rajarshee Shahu Science College, Chandur Rly held on 3<sup>rd</sup> September, Amaravati.
8. Participated in the one week Pedagogical training for teachers on Tools for online teaching Learning and Evaluation. Organized by School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded, held from 1<sup>st</sup> July to 6<sup>th</sup> July 2020.
9. Participated in the NDLI User Awareness Webinar organized by the National Digital Library of India in Collaboration with Thiruvallur College, Papanasam, Tamilnadu, held on 8<sup>th</sup> May 2020.
10. Participated in pre and post workshop online activities, involving 3 days of vedio lectures and hands onwork on “Effective and Efficient online Teaching in the Age of Corona, A hands on workshop” organized by the ICT at IIT Bombay funded by PMMMNMTT, MHRD, Govt.of India. On 24<sup>th</sup> May 2020

### **Dr. H. M. Lalitha**

### **Chairperson/ Member of Board of Studies, Board of Examiners/ Examination Chief Superintendent (BOE/BOS/BOAE)**

1. **Chairperson of BOE** in Zoology (UG) during 2020-21, Tumkur University, Tumkur

## DEPARTMENT OF BIOTECHNOLOGY

### About the Department

Department of Biotechnology Department of Biotechnology was established at Tumkur University in its constituent college during 2007. The main goal of the department is to initiate a state of multidisciplinary, scientific curriculum which will provide impetus to generate skilled graduates and post-graduates and also to elicit innovative and entrepreneurial ideas to meet the ever increasing demand of Biotechnology.

### Vision

- To inculcate the spirit of enquiry
- To elicit good Academicians/Researchers
- To serve better in the field of Agriculture and Food Technology
- Strive to the Maximum for the Improvement of drugs.
- To create the technologists who work for the betterment of life.

### Mission

To bring-out and to equip the pupil in developing practical skills thereby making them to be good entrepreneurs in future.

### Goal

- To train the students for competitive exams.
- Enhancing infrastructure development to accommodate research scholars
- To patent the research carried out in the department
- Initiation of collaborative research activities (National / International Research)
- Participation in faculty exchange programmes in India and abroad

### Faculty Strength:

Sl. No.	Name	Designation	Qualification	Department
1	Dr Dwarakanath V	Assistant Professor and HOD	MSc, PhD	Biotechnology
2	Dr Poornima D	Assistant Professor	MSc, PhD	Biotechnology
3	Dr Krishana	Assistanat Professor	M.Sc, PhD	Biotechnology
4	Shambi Singh	Guest Faculty	M.Sc with SLET	Biotechnology

**Library and information center: Nil**

**Research guidance**

Sl. No.	Name of the guide	Name of the research scholars	Funding Agency, Full time/Part time	Remarks (registered? thesis submitted/degree awarded)
1.	Dr. Poornima D	Thoyajakshi RS Kavitha GC Geethanjali KS Vikas HR	Part Time Part Time Part Time Part Time	Registered Registered Registered Registered

**Orientation /Refresher course:**

Sl.No.	Name of the Faculty	Course	Date and year (From-To)	Organizing College/University
1.	Dr Krishna	Research Methodology	05/06/2020 to 25/06/2020	K.S Rangasamy College of Technology, Tiruchengode
2.	Dr Poornima D	RC - 2020, Virtual Course- Research Methodology STC	05/06/2020 to 25/06/2020 21/9/2020 to 26/9/202	K.S Rangasamy College of Technology, Tiruchengode UGC-HRDC, JNTU Hyderabad

**Books/Book Chapters Published(as author/co-author):**

**Krishna. Biodegradation of Dyes by Using Bacteria Isolated from Wastewater.** In. Ed. Gnanamangai, M. et al., (2020). *Research Methodology Volume – 2. Pub., AkiNik Publications, New Delhi.* Pp: 251-261. ISBN: 978-93-90420-52-0, Book DOI: <https://doi.org/10.22271/ed.book.924>

**Dr. Poornima D, Women Researcher Award.** VD GOOD Professional Association, Hyderabad, India, 2020

**Best Lecturer award, Karnataka Excellence Award, VCPEM Trust 2021**

**Teaching and Research Excellence International Award.** IRDP group of Journals, Chennai, India, 2020.

Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year: i. Academic council/BoS of Affiliating university; ii. Setting of question papers for UG/PG programs; iii. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses; iv. Assessment /evaluation process of the affiliating University

Year	Name of teacher participated	Name of the body in which full time teacher participated
2020-21	Dr. Krishna	BoS member in Biotechnology
2020-21	Dr Poornima D	BoS member in Biotechnology

### NSS Activities

Our students and Faculty members involved in programmes arranged by NSS department

### NCC Activities

Our students actively participated in the NCC programmes, National festival and in Tumkur University annual convocation.

### Sports Activities

Our students participated in sports intercollegiate competition arranged by Department of Physical education and teachers also participated in indoor games chess and carom.

## DEPARTMENT OF MICROBIOLOGY

**Vision:** The vision of the department is to empower the students through awareness of the significance of microorganisms in health, environment, industry and general human welfare, which will enable them to contribute to the development of nation as competent Microbiologists.

**Mission:** The mission of the department is to be a competitive centre of excellence in fundamental microbiology by means of visionary training and innovative research

### Goals:

- To establish well equipped and self-sustaining post graduate microbiology laboratories
- To establish state-of-the-art research lab through project funding
- To be recognized as center for high quality microbiology teaching by initiating new skill development programmes in collaboration with other institutes and
- To have several international collaborations with institutes and universities of repute

### Faculty Strength:

Sl. No.	Name	Designation	Qualification	Department
1	Mrs. Shabeena Anjum K S	Assistant Professor and HOD	MSc, MED (PhD)	Microbiology

2	Dr. Rashmi Hosamani	Assistant Professor	MSc, (PhD)	Microbiology
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**Orientation /Refresher course:**

Sl. No.	Name of the Faculty	Course	Date and year (From-To)	Organizing College/University
1.	Mrs shabeena Anjum K S.	FDP	24-08-2020 TO 28-08-2020	Ram lal Anand college university of DELHI
2.	Dr.Rashmi Hosamani	Online Five days FDP on "Post COVID-19 Challenges in Science & Technology"	15-19 <sup>th</sup> June 2020	Jain University Karnataka
3.	Dr.Rashmi Hosamani	One week online International FDP on "Drug discovery and development"	22-27 June 2020	Shri Vishnu College of Pharmacy,Vishakapatnam
4.	Dr.Rashmi Hosamani	UGC Sponsored Online STC On"MOOCs, e-Content Development and Open Educational Resources"	13- 18 July 2020	Jawaharlal Nehru Technological University Hyderabad
5.	Dr.Rashmi Hosamani	One week STTP on Statistical Analysis in SPSS software (Online)	1 June to 6 June, 2020	REST Society for Research International, Tamilnadu
6.	Dr.Rashmi Hosamani	UGC Sponsored short term course on "Challenges in Discovery of Antiviral agents and vaccines"	08 June to 13 June,2020	Jawaharlal Nehru Technological University Hyderabad
7.	Dr.Rashmi Hosamani	UGC- HRDC Online Short term FDP on "Effective ways to develop E-content for Teaching Learning (Life sciences)	21 -30 May, 2020	KTHM College Nashik under UGC-HRDC, Savitribai Phule Pune University,Pune

**Conferences/workshops/Seminars Organized/Attended by the Department**

- Mrs Shabeena Anjum participated as a delegate in the National conference on “stratergies towards environmental decontamination organised by Tumkur university on 03-03-2020
- Mrs Shabeena Anjum participated as a delegate in the international webinar on “ Use of molecular dynamics simulation in biomedical research organized by Siddaganga institute of technology on 25 -07-2020
- Mrs Shabeena Anjum participated as a delegate in national webinar on “HEALTHY HABITS FOR HEALTHY LIFE” organised by Tumkur University on 05-07-2020.
- Dr.Rashmi Hosamani participated at National Webinar on “Protection of Innovations through Patents and IPR” held on 28th October, 2020 at Karnataka State Akkamahadevi. Women’s University.
- Dr.Rashmi Hosamani participated at One Day International Webinar on “The Transformation of Health Care Through Artificial Intelligence” held on 10th September 2020 organized by the Department of Botany and Microbiology in association with IQAC, SSCASCW, Tumkur.
- Dr.Rashmi Hosamani participated in a National Webinar on “Treat Cancer,Beat Cancer” held on 4<sup>th</sup> February,2021.
- Dr.Rashmi Hosamani participated in National level E-conference on “Recent technologies for Quality production of Banana” organized by Sardar Vallabhai Patel Arts and Science College, Ainpur,Maharashtra on 21<sup>st</sup> April, 2021.

#### **Books/Book Chapters Published(as author/co-author):**

Dr. Rashmi Hosamani published Book chapter on “Review on Cancer Combating Biomolecules Derived from Selected Natural Compounds” by Jaya Publishing House, Delhi (India).

#### **Papers published in National /International Conference Proceedings:**

Mrs Shabeena Anjum presented paper on “isolation and identification of Bacteria in food from street vendors” on 22-12-2021 at “Chatraveer Rajesambhaji Seva Mahavidyalaya.

#### **NSS Activities**

Our students and Faculty members involved in programmes arranged by NSS department

#### **NCC Activities**

Our students actively participated in the NCC programmes, National festival and in Tumkur University annual convocation.

#### **Sports Activities**



Our students participated in sports intercollegiate competition arranged by Department of Physical education and teachers also participated in indoor games chess and carom.

### Any other Activities

- World Environmental day celebrated on June 5<sup>th</sup>
- AIDS day celebrated on December 1<sup>st</sup>
- Global hand washing day celebrated on October 16<sup>th</sup> to create awareness among people.
- Seminars and quiz conducted in Department to improve technical skills.

## COMPUTER SCIENCE

### Faculty Strength:

Sl. No.	Name	Designation	Qualification	Department
1.	Dr. Mukundappa B.L	Associate Professor	M. Sc.(chem.), M. Sc.(cs.) M.phil, Ph. D.	Computer Science
2.	Dr.Ramani R	Assistant Professor	B.E, Mtech, Ph.D	Computer Science
3.	Dr. Kusuma Kumari B.M	Assistant Professor	MCA, M.phil,Ph. D	Computer Science
4.	Sowmya. B	Guest Faculty Member	M.tech	Computer Science
5.	Suma.N	Guest Faculty Member	MSc , KSET	Computer Science
6.	Shashikala M	Guest Faculty Member	Mtech	Computer Science
7.	Vidya Tammineni	Guest Faculty Member	Mtech	Computer Science
8.	Abhishek Gowda	Guest Faculty Member	MCA	Computer Science
9.	Nalina	Guest Faculty Member	M.tech	Computer Science
10.	Sowmya P	Guest Faculty Member	M.tech	Computer Science
11.	Sangeetha	Guest Faculty Member	M.tech	Computer Science
12.	Santhosh Kumar H	Guest Faculty Member	MCA	Computer Science
13.	Afthab Ahemad	Guest Faculty Member	M.tech	Computer Science
14.	Asmeena	Guest Faculty Member	MCA	Computer Science
15.	Ashwini N	Guest Faculty Member	M.tech	Computer Science

## Result Analysis

	COURSE	I Sem	II Sem	III Sem	IV Sem	V Sem	VI Sem
Appeared	BCA	71	69	60	59		
	BVOC	12	12	22	20	13	13
	BSC	105	105	87	87	69	69
I CLASS	BCA	50	50	40	40		
	BVOC	5	12	15	20	8	9
	BSC	70	70	50	60	40	46
II CLASS	BCA	10	10	5	10		
	BVOC	2	0	3	0	2	2
	BSC	20	40	10	20	10	10
PASS CLASS	BCA	7	9	5	9		
	BVOC	2	0	0	0	1	1
	BSC	5	15	15	7	11	7
TOTAL %	BCA	98	100	97	100		
	BVOC	97	100	96	100	98	99
	BSC	97	100	96	100	96	98

### Conferences/Workshops/Seminars Organized by the Department:

Organised Industrial Visit for final year BCA & all semester B.Voc students.

### Membership in academic bodies/institutions:

1	Kouser Taj	Associate Member	IEI – Institute of Engineers, India
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### Department Extension/Co-curricular Activities (NSS, NCC, Community development, Sports etc)

**NCC Activities:** Students of of have participated in Republic day Parade at college and manage National festivals being organized in College.

**Sports Activities:** Students of I BSc Pooja M and Veda Murthy have participated inter collegiate Weight lifting competitions and have won prizes.

**Any other Activities:** Students actively participate in Science exhibitions, presented papers in National conferences and also involved in Social services like raising funds for flood relief victims.

### Department Extension/Co-curricular Activities:

Dr. B L Mukundappa has been coordinator & Head of the Department of UG computer Science at Tumkur University.

Dr. B L Mukundappa has been member for TU-PGCET-2019 MCA entrance examination question paper setting committee.

Dr. B L Mukundappa has been BVOC BOS member at Tumkur University.

Dr. B L Mukundappa has been member in the Proceedings of the meeting of Board of studies of B.Voc course held at Tumkur University.

Dr. B L Mukundappa has been the member of board of studies committee of PG-MCA department.

Dr. B L Mukundappa has been committee member in the constitution regarding Board of examiners of PG Degree.

Dr. B L Mukundappa has been committee member in the formation of the Board of Studies in the subject of PG-MCA.

Dr. Ramani R has been coordinator for PG section at tumkur university.

Dr. Ramani R has been BOE member for PG-MCA at Tumkur University.

Dr. Ramani R has been Deputy Superintend of MCA examination at Tumkur University.

Dr. Ramani R has been BOS member at Tumkur University.

Dr. Ramani R has been Deputy Super indent of MCA section at Tumkur University.

Dr. Ramani R has been BOAE member at Tumkur University.

Dr. Ramani R has been UUCMS E-Governance cell member at Tumkur University.

Dr. Ramani R has been Vidya First Grade College governing council member.

Dr. Ramani R has been member of COVID task force at Tumkur University.

Dr. Ramani R has been MCA calendar of events & fee fixation committee member.

Dr. Ramani R has been NSS, NCC & Scouts & Guides coordinator at Tumkur University.

Dr. Ramani R has been member of Department council formation at Tumkur University.

Dr. Ramani R has been coordinator of MCA & MBA exam time table setting committee .

Dr. Ramani R has been the member of board of studies committee of PG-MCA department.

## DEPT. OF ELECTRONICS

### Faculty Strength:

Sl. No.	Name	Designation	Qualification
1	D. Manjunatha	Assistant Professor	MSc., (PhD)
2	Dr. Shwetha D	Assistant Professor	MSc, PhD

Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year: i. Academic council/BoS of Affiliating university; ii. Setting of question papers for UG/PG programs; iii. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses; iv. Assessment /evaluation process of the affiliating University

Year	Name of teacher participated	Name of the body in which full time teacher participated
2020-21	Dr Shwetha D	BoE Member in Electronics
2020-21	Dr Shwetha D	BoE Member in Electronics

## KANNADA DEPARTMENT

### Faculty Strength:

Sl. No.	Name	Designation	Qualification	Department
1	Dr. Geeta vasant	Assistant professor	MA, Ph.d, D.Lit	Kannada

## Department of English

### Faculty Strength:

Sl. No.	Name	Designation	Qualification
1	Dr. Bharat Shilpi	Assistant Professor	MA, Phd
2	Dr. Jyothi	Assistant Professor	MA, M.Phil, PhD, PGDHRM, PDMH
3	Ms Kavitha R	Faculty	MA, PhD
4	Ms Parinitha P	Faculty	MA, NET
5	Dr. Priyanka M G	Faculty	MA, PhD
6	Mr. Nawaz Ahmed M	Faculty	MA, KSET

7	Mr. Ramu H	Faculty	MA, KSET
8	Mr. Chithaiah T	Faculty	MA, KSET
9	Ms. Chandini	Faculty	MA, B.ed

### Articles Published in National/International Journals

Sl. No.	Title, Journal with Volume, Year and Page nos.	ISSN/ ISBN No
1	Priyanka M G, "Kuvempu kadambariglalli malenada Vyavasaya Acharane mattu Sampradayaagala Kuritu" in International Journal of Kannada Research, 2020	ISSN:2454-5813
2	Priyanka M G, The Nexus of Life in Modern Poetry, the Need, and its Expression IJELS-2021, 6(5)	ISSN: 2456-7620
3	Priyanka M G, Exciting New Technologies for a Green Technology IJELS-2021, 6(5)	ISSN: 2456-7620

### Faculty Participation as Resource Persons:

#### Dr. Jyothi:

Sl. No	Title of Lecture/Academic Session/Speech	Title of Conference / Seminar etc.	Organizer
1	"IV Sem English CBCS Syllabus- Pedagogical Perspectives"	"IV Sem English CBCS Syllabus-Pedagogical Perspectives"	Tumkur University English Teachers' Forum Tumakuru
2	Literary Landscape	Indian English Literature	GFGC, Tumakuru

## DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS

The Department of Physical Education and Sports conducted inter class selections participation in Inter-collegiate sports activities, conducted various Inter-collegiate sports activities, Sports coaching camps and sent teams for Inter-University competitions for the Academic year.

### Sports and cultural activities / competitions organised at the institution level

Activity	Level	Participants		
<b>2020-21</b>				
Yoga (m &w)	Inter national Yoga day-online	253	112	365

**Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)**

Date	Name of the event/activity	Name of the student participated
29-08-2020	10000 steps walking race	31
02-10-2020	10km Run race	31

**Development and maintenance of sports facilities**

Sl.No.	Name of facility	Remarks
1	Track & Field	Maintained
2	Tennis Court	Maintained
3	Indigenous Games Courts	Maintained
4	Indoor Hall	Maintained
5	Shuttle Badminton court	Maintained
6	Multi Gym	Maintained

Awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Sl. No.	Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ government recognised bodies	Year of award
1	Sports	Certificate of appreciation to Dr Manjunath, Physical Education Dept. for successfully completing "Physical Education and Sports Quizz" organized by Govt First Grade College, Gubbi	Govt. First Grade College(Autonomous), Gubbi 572216	Jul-05

**Extension activities**

Sl. No	Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Year of the activity	Number of students participated in such activities
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1	On the occasion of 6th International Yoga Day Physical Education dept, UCS celebration conducted "Out reach program to teachers, students and publics	Physical Education dept	Physical Education	21-06-2020	200
2	On occasion of Mahatma Gandhi Jayanthi Physical Education Dept organized 10 KM run/walk program	Physical Education dept	Physical Education	02-10-2020	75
3	FIT INDIA 2020 WALKATHON	Physical Education dept	Physical Education	29-08-2020	100

### NCC ANNUAL REPORT

Sl. No	Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Year of the activity	Number of students participated in such activities
1	Enrollment of cadets in July 2020	UCS, and 4Kar Bn, Tumkur	NCC and UCS	2020	SD : 72, SW : 36
2	B certificate Exam	UCS, and 4Kar Bn, Tumkur	NCC and UCS	2020	24 'A' Grade, 04 'B' Grade
3	C certificate Exam	UCS, and 4Kar Bn, Tumkur	NCC and UCS	2020	15 'A' Grade, 14 'B' Grade
4	Kargil Vijay Diwas .26/07/2020	UCS, and 4Kar Bn, Tumkur	NCC and UCS	26-07-2020	4 Cadets
5	EK Bharath Shrestha Bharath online Camp. 10/08/2020	UCS, and 4Kar Bn, Tumkur	NCC and UCS	10/08/2020	1 Cadets
6	Video Conference with Defense Minister ( Online ) 26/08/2020 to 27/08/2020	UCS, and 4Kar Bn, Tumkur	NCC and UCS	26/08/2020 to 27/08/2020	2 Cadets Participate
7	Fit India Digital Forum 2020. 29/08/2020 to 02/10/20	UCS, and 4Kar Bn, Tumkur	NCC and UCS	29/08/2020 to 02/10/20	50 Cadets
8	Walkathon 2020 on 29-08-2020	UCS, and 4Kar Bn, Tumkur	NCC and UCS	29-08-2020	13 Cadets
9	Teacher's Day Celebration (online). 05-09-2020	UCS, and 4Kar Bn,	NCC and	.05-09-2020	70 Cadets

		Tumkur	UCS		
10	Pipping Cermony for Honorable VC By DDG of NCC, 29-09-2020	UCS, and 4Kar Bn, Tumkur	NCC and UCS	29-09-2020	16 Cadets
11	Heartfullness Experience Life's Potential Online Program ( Online ).09/11/2020 to 4/12/2020	UCS, and 4Kar Bn, Tumkur	NCC and UCS	9/11/2020 to 4/12/2020	2 Cadets
12	Pre RDC 1 CAMP.23/11/2020 to 02/12/2020	UCS, and 4Kar Bn, Tumkur	NCC and UCS	23/11/2020 to 02/12/2020	3 Cadets
13	Final RDC CAMP DELHI 2021. 17/12/2020 to 08/02/2021	UCS, and 4Kar Bn, Tumkur	NCC and UCS	17/12/2020 to 08/02/2021	1 cadet
14	Swatch Bharath 2020.07/12/2020	UCS, and 4Kar Bn, Tumkur	NCC and UCS	07-12-2020	85cadet
15	Vocal for Local .07/01/2021	UCS, and 4Kar Bn, Tumkur	NCC and UCS	07-01-2021	75 cadets
16	DDG Commendation Awards.07-02-2021	UCS, and 4Kar Bn, Tumkur	NCC and UCS	07-02-2021	1 ANO, 2 Cadets
17	CM Commendation Awards 07-02-2021	UCS, and 4Kar Bn, Tumkur	NCC and UCS	07-02-2021	1 cadet
18	Covid Special Task Force.17-11-2020	UCS, and 4Kar Bn, Tumkur	NCC and UCS	17-11-2020	09 cadets
19	HIV AIDS and youths	Health and Family welfare Department, Tumkur	Red Ribbon club	9th March 2020	120
20	Oxygen challenge programme	NSS University College of Science	NSS	05-06-2021	100
21	COVID-19 vaccination drive	NSS University College of Science	NSS	27-06-2021	120
22	On the occasion of 6th International Yoga Day Physical Education dept, UCS celebration conducted "Out reach program to teachers, students and publics	Physical Education dept	Physical Education	21-06-2020	200
23	On occasion of Mahatma Gandhi Jayanthi Physical Education Dept	Physical Education	Physical	02-10-2020	75



	organized 10 KM run/walk program	dept	Educati on		
24	FIT INDIA 2020 walkathon	Physical Education dept	Physica l Educati on	29-08-2020	100
25	First AID Training	Indian Redcross Society/ Tumkur University/ Red Cross Society Tumkur & Bharath Scouts and Guides	Red Cross	04-12-2020	60

### NSS ACTIVITIES

Sl. No	Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Year of the activity	Number of students participated in such activities
1	Oxygen challenge programme	NSS University College of Science	NSS	05-06-2021	100
2	COVID-19 vaccination drive	NSS University College of Science	NSS	27-06-2021	120

**Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)**

Year	Names of students selected/ qualified										

2020- -21	NET	SLET	GATE	GMA T	CA T	GR E	JAM	IELE T	TOEF L	Civil Servic es	State governme nt examinati ons	Other examinati ons conducted by the State / Central Governme nt Agencies (Specify)
		Bhav ana R										
			Megh a B N									
			Bhava na R									
							Rakesh G R					
							Lokesh G					
							<b>Babu E</b>					