

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

KNOWLEDGE ASSET 2022-23



Name : Dr. Tella. Lakshmi Viveka  
Designation : Asst. Prof  
Department : H&S(Chemistry)  
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**Experience (in years):** 13.7 Teaching: -7.7 Research: 3y (full time)

Others(if any, specify): 6 years of Industrial experience in NATCO PHARMA ltd

2 years in high school as a teacher A.M.G. high school ,Kakinada

5.7 y in VNRVJIET as Asst. Prof till the date

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D	2016	Chemistry
2	M.sc	2007	Organic chemistry
3	B.Ed	2003	Physical sciences
4	B.Sc	2001	M.P.C

2. Teaching and Learning:

2.1. Teaching Interests:

- Polymer chemistry
- Organic Chemistry
- Analytical instrumentation
- Spectroscopy

2.2. Novel Teaching & Learning Techniques adopted:

- POGIL

- Story board
- think pair share
- flipped to class room
- moodles

### 2.3. Involvement in curriculum updating / Design:

- as per AICTE curriculum chemistry paper-I and paper-II syllabus modification and procedure given to laboratory experiments (2018)

### 3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: playing throwball, reading books

3.2. CCA/ECA Organized:

3.3. CCA/ECA participated:

3.4. Counseling and Mentoring Activity: as a academic coordinator for IT-II and CE-II

3.5. Committees involved in:

- **Department level :**
  - Time table coordinator (II)
- **Institute Level :**
  - Project Arcade
  - Hostel In-charge for girls

### 4. Conference / Workshop / Seminar / Guest Lectures :

4.1 Conducted:

4.2 Attended: (12)

1.FDP work shop : One week training programme on "INSTRUCTIONAL DESIGN AND DELIVERY SYSTEM" conducted by NITTTR, Tiruchchi at VNR VJIET from december 11<sup>th</sup> - 16<sup>th</sup>,2017

2.Role materials in mechanical engineering by K. Radha krishna sashtri ,Manager(training and devt) -Avionics division, HAL,Hyderabad

3.Foundation program in ICT for Education conducted by IIT Bombay from august3 to sep7 2017

4.Pedagogy for Online Blended Teaching Learning Process conducted by IIT Bombay,from sep14-oct12 2017

5. One week FDP programme on "Advanced data science and its applications" organized by BVRIT, Hyderabad College of Engineering for Women from June 22<sup>nd</sup>-26<sup>th</sup>, 2020.
6. Two day National level workshop on "The Role of Chemistry in modern healthcare" by Dept of Physics and Chemistry, MGIT, Hyderabad on July 3<sup>rd</sup> and 4<sup>th</sup> 2020.
7. Three day FDP on Sustainable development with Green Technology: Pre-covid, Covid and Post Covid times", Organized by Dept of Chemistry, Anurag University, Hyderabad, from June 11<sup>th</sup>-13<sup>th</sup>, 2020
8. National Webinar on "A Journey to drug discovery: Computational Chemistry approach" organized by Dept. of Science and Humanities (Chemistry).
9. E-International Symposium on Synthesis and Characterization of Smart materials and their potential applications" during 14<sup>th</sup>-17<sup>th</sup> June, 2020.
10. One week FDP on "Advancements in Science and its applications in Engineering" from 22-28th June, 2020, organized by Department of Science and Humanities, HITAM.
11. Webinar on "Nonlinear Physics" jointly organized by SSN-Center for ES & technology and Indian Spectrophysics on June 12<sup>th</sup>, 2020.
12. Webinar on July 10<sup>th</sup>, 2020 organized by MNR College, Hyderabad.

## 5. Academic Contribution and Research & Consultancy:

(DRDO –DY –SL)- Research & Consultancy project (7.5 lakhs)

### 5.1. Invited Lectures:

### 5.2. Articles/Chapters published in Books:

### 5.3. Books published as single author or as editor:

### 5.4. Projects Guided :

a) UG :

b) PG :

### 5.5. Research Interests :

### 5.6. Ph.D students :

a) Enrolled :

b) Submitted:

c) Awarded:

5.7. Papers published in reviewed journals :

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Synthesis And Biological Evaluation Of Novel 3, 5-Disubstituted 4H-1, 2, 4-Triazoles.	<i>IOSR Journal of Applied Chemistry (IOSR-JAC) Volume 6, Issue 6 (Jan. 2014), PP 01-07</i>	e-ISSN: 2278-5736.	1.6	International
2	Synthesis and anti-microbial agents of novel (E)-N'-4,4'-difluoro-cyclohexane carboxylic acid (substituted-benzylidene)-hydrazide derivatives.	<i>World Journal Of Pharmacy And Pharmaceutical Sciences, Volume 4,, Issue 05,, 1087-1105.(2015).</i>		5.2	National
3	Synthesis And Biological Evaluation Of Novel 5-Methyl-1, 4- Disubstituted 1h-1, 2, 3-Triazole Derivatives	IOSR Journal of Applied Chemistry Volume 3, Issue 3 (Jan. – Feb. 2013), PP 36-41 .	(IOSR-JAC) ISSN: 2278-5736.	1.6	International
4	Synthesis, Characterization and Molecular Docking Studies Of New	IOSR Journal of Applied Chemistry (IOSR-JAC) e- Volume 8, Issue 8 Ver. II (Aug. 2015), PP 30-36	ISSN: 2278-5736.	1.6	International

	Erlenmeyer Azlactones				
5.	Potent Antimicrobial Agents of 8-Aza- bicyclo[3.2.1]octyl hydrazide Derivatives: Synthesis and Biological Evaluation	<i>Asian Journal of Chemistry; Vol. 30, No. 9 (2018), 2029-2034</i>		0.7	international
6	Ternary Cu(II) complexes: synthesis, structural elucidation, and biological studies (DNA binding, cleavage, antibacterial, cytotoxicity)	<i>Research on Chemical Intermediates, 46, pages3341–3360(2020)</i> <a href="https://doi.org/10.1007/s11164-020-04140-9">https://doi.org/10.1007/s11164-020-04140-9</a>		2.5	International
7	Synthesis, Characterization and Biological Activity of Novel 1,3,4- Oxadiazole Derivatives of 1,3- Dihydro-1- oxoisobenzofuran-5- carboxylic Acid	Asian Journal of Chemistry; Vol. 32, No. 1 (2020), 95-100  <a href="https://doi.org/10.14233/ajchem.2020.22360">https://doi.org/10.14233/ajchem.2020.22360</a>		0.8	Internaaational
8	New benzylidene festooned thiazolidinone-	Journal of Molecular Structure 1285 (2023) 135453  <a href="https://doi.org/10.1016/j.molstruc.2023.135453">10.1016/j.molstruc.2023.135453</a>	ISSN 0022-2860	3.7	Internaaational

	coumarin molecular hybrids targeting Human Breast adenocarcinoma cells: Design, synthesis, SAR, molecular Modelling and biological evaluation as CDK2 inhibitors				
9	Investigation of dielectric properties of P(VDF-Trfe)- Nafion blended solutions in the microwave frequency region	<a href="https://doi.org/10.1016/j.matpr.2023.04.138">https://doi.org/10.1016/j.matpr.2023.04.138</a> Materials today proceedings		3.2	Internatinal

#### 5.8. Papers presented at National / International Journals :

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Synthesis and characterization of 4,4-diflouro cyclohexyl thiazole scaffolds	2 <sup>nd</sup> Indian International Symposium on fluorine chemistry at CSIR- IICT,Hyderabad,	International conference	2014

		India.		
2	Synthesis ,characterizations(20 and molecular docking os 1,3,4-oxadiazole derivatives of 4,4-difluoro cyclohexane moieties	Advanced Spectro-Analytical Techniques, Department of Chemistry on 11-12th sep ,Loyola academy Degree &PG College,Secunderabad-500010,Old Alwal.	National seminar	2014
3	seminar	on Academia-Industry Interface on 6th August,2014(sponsored by DST-PURSE, UGC&APSCHE)	National	2014

#### 5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

#### 5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
1	Optimization and validation of IPMC polymers	DRDO	2021-2023	7.5lakhs	Completed

#### 6. Awards / Honors received:

Best teacher award received in 2005 A.M.G India International School,Kakinada, A.s.P.

7. Motto: Making the students to be acquainted with the new technologies in basic sciences and involve them to develop their skills.

