

Name: Dr. Appa Rao Sapala
Designation: Assistant Professor
Department: Humanities & Sciences
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Experience (in years):13 **Teaching:** 03 **Research:** 10

Others(if any, specify):

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D	2017	Interdisciplinary Chemistry (Organic and material chemistry)
2	PG	2007	Organic Chemistry
3	UG	2005	Maths, Physics, Chemistry

2. Teaching and Learning:

2.1. Teaching Interests:

Engineering Chemistry, General Chemistry, Organic Chemistry and Inorganic Chemistry, Instrumentation Methods,

2.2 Novel Teaching & Learning Techniques adopted:

- How am I connecting to general examples (HIC), which helps to reach students easily
- POGIL
- WIT&WIL
- Using Chemistry Tools wherever necessary
- Making innovative videos for better understanding the concepts

2.2. Involvement in curriculum updating / Design:

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies:

Exploring new things
Teaching and Learning
Music and Sports

3.2. CCA/ECA Organized:

3.3. CCA/ECA participated:

3.4. Counseling and Mentoring Activity:

3.5. Committees involved in:

Department level:

Institute Level:

4. Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted:

4.2 Attended:

- International Conference on Advances in Chemical sciences and Technologies, National Institute of Technology, Warangal (2020).
- Participated in “Effective Teaching and Evaluation methods in Engineering Education” Organised by Teaching Learning Center, National Institute of Technology, Warangal (2020).
- International Conference on Advances in Chemical sciences and Technologies, Indian Institute of Technology, Delhi (2019).
- American Chemical Society conference (International Conference), Indian Institute of Technology, Delhi (2017).
- Emerging Trends in Glycoscience and Glycotechnology (International Conference) : Indian Institute of Technology, Delhi (2014).
- The 8th Conference for Young Researchers (JNOST), held at Indian Institute of Technology Guwahati (2012)
- New Directions in Chemical Sciences (International Conference): Indian Institute of Technology, Delhi (2012)

5. Academic Contribution and Research & Consultancy:

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 : 2

5.5. Research Interests:

Organic synthesis, Medicinal chemistry and Material chemistry (Self-assembling properties) and Nanomaterial's synthesis

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	Hierarchical organization from self-assembling disulfide macrocycles	Chem. Commun. 2012, 48, 3821-3823		6.567	International
2	Triazole: a new motif for anion recognition.	RSC Adv., 2012, 2, 12594-12605		3.289	International

3	Self-assembling triazolophanes: from croissants through donuts to spherical vesicles	Chem. Commun., 2015, 51, 6905-6908		6.567	International
4	Chiral and non-chiral assemblies from lipidated serine-based pseudopeptidic molecules.	Mol. Syst. Des. Eng., 2016, 1, 163-168		3.323	International
5	Spontaneous vesiculation: a mechanistic insight from the study of hybrid peptide molecules	New J. Chem., 2016, 40, 9907-9911		3.277	International
6	Vesicles: self-assembly beyond biological lipids	RSC Adv., 2017, 7, 26608-26624		3.289	International
7	Lipidated Psuedopeptides with Mutable Self-Assembly: Fibres to Flowers	Supramol.chem., 2017, 29, 670-679		1.12	International
8	Expanded triazolophanes: a topological analysis of vesicular assembly	Accepted: Organic and Bimolecular chemistry		3.92	International

5.8. Papers presented at National / International Journals :

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1				

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

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6. Awards / Honors received:

- Best Researcher Award (2011-2017)
- Qualified GATE in 2007&2009
- Qualified CSIR-JRF&SRF in 2009
- Received Mess secretary award from Zanskar hostel, IIT Delhi

Motto: I believe that it is my duty to expose students to the joy of studies and to get interested towards research/higher educations; that helps not only to the student carrier but also to the better nation formation.