

Name: Dr. L. Chandana
Designation: Assistant Professor
Department: Humanities & Sciences
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Experience (in years):10 **Teaching:** 3 **Research:** 7

Others(if any, specify):

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D	2018	Chemistry (Energy and Environment)
2	PG	2011	Organic Chemistry
3	UG	2009	Biotechnology, Biochemistry, Chemistry

2. Teaching and Learning:

2.1. Teaching Interests:

Engineering Chemistry, Environmental Science, Recent trends in Science and Technology, General Chemistry, Organic Chemistry and Inorganic Chemistry, Instrumentation Methods, Nanotechnology.

2.2 Novel Teaching & Learning Techniques adopted:

- POGIL
- WIT&WIL

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:

- Oral presentation in XXII International Conference on Chemical Reactors (CHEMREACTOR- 22) held on 19- 23 September 2016 in London, UK.

- Oral presentation in Fourth international conference on advanced oxidation processes, AOP-2016 to be held on 20 December 2017 in BITS Goa, India.
- Oral Presentation in CRSI-ACS Symposium at the CSIR-IICT Hyderabad on 13 July 2017.
- Attended TEQIP workshop on “Green Processes for Energy Conversion (GEC-2014)” during December 29-30, 2014 @ IIT Hyderabad.
- Attended TEQIP workshop on “Energy Conversion and Storage (ECS-2016)” during May 9-14, 2016, by the Department of Chemistry at IIT Hyderabad.

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 :

5.5. Research Interests: Energy and Environment, Wastewater treatment, Advanced oxidation Processes, Nanomaterial's synthesis, and Characterization.

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	Atmospheric pressure non-thermal plasma jet for the degradation of methylene blue in aqueous medium.	Chemical Engineering Journal, 2015, 282, 116-122.		10.65	International
2	Influence of hydrogen peroxide on the simultaneous removal of Cr (VI) and methylene blue from aqueous medium under atmospheric pressure plasma jet.	Journal of Environmental Chemical Engineering, 2015, 3(4), 2760-2767.		4.02	International
3	Improved Solar Cell Performance of High	Plasma Processes and Polymers, 2016, 13(9),		3.06	International

	Quality Plasma Reduced Graphene Oxide.	929-936.			
4	Degradation and mineralization of aqueous phenol by an atmospheric pressure catalytic plasma reactor.	Journal of Environmental Chemical Engineering, 2016, 6(3), 3780-3786.		4.02	International
5	Non-Thermal Discharge Plasma Promoted Redox Transformation of Arsenic (III) and Chromium (VI) in an Aqueous Medium.	Chemical Engineering Journal, 2017,329, 211-219.		10.65	International
6	Non-thermal atmospheric pressure plasma jet for the bacterial inactivation in an aqueous medium.	Science of the Total Environment, 2018,640, 493-500.		6.5	International
7	Enhanced photocatalytic and antibacterial activity of plasma-reduced silver nanoparticles.	RSC Advances, 2018, 8, 24827-24835.		3.07	International
8	Low-cost adsorbent derived from the coconut shell for the removal of hexavalent chromium from aqueous medium.	Materialstoday: Proceedings, 2020,26 44-51.		-	International
9	Simultaneous photocatalytic degradation of p-cresol and Cr (VI) by metal oxides supported reduced graphene oxide.	Molecular Catalysis, 2018,451, 87-95		3.6	International

5.8. Papers presented at National / International Journals :

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Atmospheric pressure non-thermal plasma jet for the degradation of methylene blue in aqueous medium.	XXII International Conference on Chemical Reactors (CHEMREACTOR- 22)	International	held on 19- 23 September 2016 in London, UK.
2	Degradation and mineralization of aqueous phenol by an atmospheric pressure catalytic plasma reactor.	Fourth international conference on advanced oxidation processes (AOP)	International	held on 20 December 2017 in BITS Goa, India.

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

6. Awards / Honors received:

- Received "Excellence in Research" award on Foundation Day at IIT Hyderabad in 2017.
- Qualified GATE in 2013
- Qualified CSIR-NET & APSET in 2012.

Motto: I believe that it is my duty to expose the student to the joy of research and help to spot and groom the future scientists.