

KADIMI ANITHA
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Career Objective

To Motivate students to reach their goal, to shape students with good personality and better citizens of India and to contribute in research and development of chemistry by utilizing my scientific knowledge and experience in synthesis .

Academic Qualifications

- 30 Apr 2014 **Ph. D. (Chemistry)**
Research supervisor : Dr.RadhaKrishna P
Chief Scientist

CSIR-Indian Institute of Chemical Technology
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Ministry of Science & Technology, Government of India
Tarnaka, Hyderabad-500007, Telangana, INDIA
Thesis title: “Total synthesis of fluvirucinine A₁, formal synthesis of amphidin B and first stereo selective total synthesis of gallicynoic acids G and H”
Ph.D. work completed at Organic and Biomolecular Division, CSIR-Indian Institute of Chemical Technology, Hyderabad – 500007, India.
- July 2005 - April 2007 **M. Sc (Organic Chemistry)**
First Class (**70%**), Andhra University,
Visakhapatnam- 530 045, India.
- Jul 2002 - May 2005 **B. Sc (Chemistry)**
First Class (**82%**), K G R L College
Bhimavaram affiliated to Andhra University,
Visakhapatnam- 530 045, India.
- 2000- 2002 **Intermediate**
First Class (**80.5%**), Kasturiba Govt JR College
Bhimavaram, India.
- 1999-2000 **S. S. C**
First Class (**75.80%**), GOVT HIGH SCHOOL
YANDAGANDI, India.

ACADEMIC /TEACHING EXPERIENCE (8 Years)

I have been working as a Faculty in Department of Chemistry at Government College (Autonomous) Rajamahendravaram East Godavari District, Andhra Pradesh from 03-09-2015 to till to date.

I worked as a Faculty in Department of Chemistry in Government Degree College, Tuni, East Godavari District, Andhra Pradesh, from 26 -12-2011 to 02-09-2015.

COURSES TAUGHT

Undergraduate

Chemistry Paper-I

Chemistry Paper-II

Chemistry Paper-III

Chemistry Paper-IV

Postgraduate

Organic Spectroscopy

General Chemistry

Organic Reaction Mechanism

Research Interests

- ❖ Asymmetric synthesis of Natural products.
- ❖ Synthesis of biodegradable and biocompatible polymers.
- ❖ Development of new methodologies.

Skills

- ❖ Excellent experience in handling air sensitive reagents and reactions
- ❖ Structural elucidation by using spectroscopic techniques like NMR & FT-IR and molecular weights determination
- ❖ Have experience in writing manuscripts
- ❖ Good knowledge of computing and software: MS Office, ISIS Draw and Chem draw
- ❖ Good knowledge of literature search (Sci-Finder and ISI web of knowledge and Scopus), writing scientific manuscripts and research projects

Awards and Fellowships

- ❖ Awarded Junior Research Fellow (JRF) of the Council of Scientific and Industrial Research (CSIR) in January 2008
- ❖ Awarded Senior Research Fellow (SRF) of the Council of Scientific and Industrial Research (CSIR) in January 2010.

List of Publications

1. Total synthesis of Fluvirucinine A₁; Palakodety Radha Krishna, **Kadimi Anitha**. *Tetrahedron Lett* **2011**, 52, 4546-4549.
2. Formal synthesis of Amphidin B; Palakodety Radha Krishna, **Kadimi Anitha**, Galla Raju. *Tetrahedron* **2013**, 69, 1649-1657.
3. First total synthesis of Gallicynoic acids G and H; Palakodety Radha Krishna, **Kadimi Anitha**. *Helv. Chim. Acta* **2011**, 94, 1246-1253.
4. Binucleophilic substitution as a synthetic tool for ready access to the piperidine alkaloids (+)-Coniine, (+)- β -Conhydrine, (+)-8-Ethylnorbelol, and (-)-Halosaline; Galla Raju, **Kadimi Anitha**, Palakodety Radha Krishna, , *Synlett* **2015**, 26, A-E.

Conferences and Symposiums participated

S. No	Title of Conference /Symposium	National / International	Name of the Institution which held Conference /Symposium	Date
1	The Role of women in Chemistry	National	St.Anns college for women , Mehdipatnam	September 24, 2011
2	Chemistry and Chemical Biology of Natural products(CCBNP-2012)	International	CSIR-IICT	August 2-4, 2012
3	CHEMISYMPIOSIUM-2013	National	Spaces Degree College, Payakaraopeta	October 27, 2013
3	Current Research Trends and Developments in Organic Synthesis (CRTADIOS-2015)	National	Adikavi Nannaya University, Rajahmundry	September, 2015
4	Advances, Breakthroughs, Challenges, Developments in Foodomics (ABCDF-2016)	National	Government Degree College, Rajahmundry	November 10-11, 2016
5	Recent trends in Chemistry and Physics of materials	National	S.R.R & C.V.R Govt. Degree College(A), Vijayawada,	September 15-16, 2017

6	Stereo chemical characterization of vital molecules	National	J.K.C. College (Autonomous), Guntur	September 18, 2017
7	Biomass to Bio Energy	National	Govt College(A), Rajahmundry	December 19-20, 2017
8	Renewable energy and research education - (RE ²)	International	Govt College(A), Rajahmundry	February 8-10, 2018

Workshops attended

S. No	Title of Workshop	Name of the Institution which held Work shop	Date
1	Virtual Class Hands on Experience-work shop	Govt College(A), Rajahmundry	15/03/2018
2	Cluster-Electives in Chemistry- work shop	Govt Degree College(A), Tuni	17/03/2018
3	New Paradigms in quality measurement of HEIS- work shop	Govt College(A), Rajahmundry	24/03/2018
4	Challenges and Opportunities in A.P. after Bifurcation- work shop	Govt College(A), Rajahmundry	28/03/2018
5	Intellectual property rights- work shop	Govt College(A), Rajahmundry	22/04/2018

Orientation programmes

Attended a 26 days UGC Sponsored “ 41stORIENTATION COURSE” at JNTU, Hyderabad, A.P. from 10-11-2014 to 06-12-2014.