



KADIMI ANITHA

Annaram Sathyavathi Devi Degree College For Women (A)

Kakinada

ANDHRAPRADESH, INDIA

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Academic Qualifications

30 Apr 2014

Ph. D. (Chemistry)

Research supervisor : Dr.RadhaKrishna P

Chief Scientist

CSIR-Indian Institute of Chemical Technology

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 stereoselective 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.

❖ Qualified **Junior Research Fellow (JRF)** of the Council of Scientific and Industrial Research (CSIR) in **January 2008**

July 2005 - April 2007

M. Sc (Organic Chemistry)

First Class (**70%**), Andhra University,

Visakhapatnam- 530 045, India.

10th SCHOOL FIRST, Intermediate to degree class FIRST

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 (12 Years)

I have 12 years teaching experience **for both PG and UG.**

I have been working as a Faculty of Chemistry in Department of Chemistry at ASD, Govt. Degree College for women (A), Kakinada, East Godavari District., Andhra Pradesh., from 20-7-2023 to till to date.

I worked as a Faculty of Chemistry in Department of Chemistry at Government College (Autonomous) Rajamahendravaram East Godavari District., Andhra Pradesh., from 03-09-2015 to 20-7-2023.

I worked as a Faculty of Chemistry in Department of Chemistry at 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
Chemistry Paper-V
Chemistry Paper-VII

Postgraduate

Organic Spectroscopy
General Chemistry
Organic Reaction Mechanism

My students pass percentage for last 10 years 96-100%.

I am one of the top performers in NPTEL courses! Out of 25 lakh learners, I have emerged as a shining star.

List of students Qualified CSIR-NET/ GATE/SET under my guidance :

Name of the Candidate	Exam Qualified and Year of Qualification	Register Number	
K Ramesh	GATE -2018, CSIR-JRF 2019	CY18S46007153	
Bonu Chandini Sai Mounika	CSIR-NET-2019, GATE-2020 and AP-SET-2019	1783533008	
Sabbarapu Ramya	AP-SET - 2019	1783533036	
Talla Srividya	AP-SET - 2020	1783533038	
Yeleswarapu Swetha Srividya Matta Yaswanth	AP-SET-2019 APSET-2020	1783533047 2019306107	
VS PAVAN KUMAR	Gate 2022	CY23S46104251	1821

MOOCS COURSES COMPLETED:

Name of the course	Date/Duration	Roll number
Pericyclic reactions and Organic photochemistry	31/10/2018	NPTEL18CY16511890138
Stereochemistry	07/10/2018	NPTEL18CY11S21730072
Co-Ordination Chemistry	01/9/2020 31/12/2020	NPTEL20CY19S52170030
A study guide in organic retrosynthesis: problem solving approach	Jan-April 2023	NPTEL23CY28S34500032
Bioinorganic Chemistry	Jan-Feb 2023	NPTEL23CY15s35470128
Principles Of Organic Synthesis	July-December 2023	NOC23CY47S738500109

Research Interests

- ❖ Asymmetric synthesis of Natural products.
- ❖ Development of new methodologies for synthesis of Hetero-cyclic compounds.

Organizing Seminars/ Conferences/ Workshops/ other College Activities.

- ❖ Adikavi Nannaya University allotted two research scholars under my guidance.
- ❖ Acted as one of the **resource person** for **DST-STUTI** workshop “Exploring the research innovations in sciences with hands on experience” June 20th-26th, 2022.
- ❖ Organized one day **International webinar** on “Advance Synthetic Techniques in Medicinal Chemistry” (IWASTMC-2021) on 28th September 2021.
- ❖ Organized two days workshop on “**Micro scale experiments**” on December 21st and 22nd in 2021.
- ❖ Incharge of Chemistry department.
- ❖ Member of Staff council in ASD Government Degree College for women (A), Kakinada.

Skills

- ❖ 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.
- ❖ Excellent experience in handling air sensitive reagents and reactions

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	CHEMISYMPOSIUM-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	
8	Renewable energy and research education - (RE ²)	International	Govt College(A), Rajahmundry	February 8-10, 2018
9	Faculty Development Program on "E-Content Generation for LMS"	National	SKR & SKR GOVERNMENT COLLEGE OF WOMEN (A), KADAPA	20-21, October 2022
10	<i>"Insights on Emerging Research in Chemical Science (IERCS-2022)"</i> ,	National	National Institute of Technology Andhra Pradesh	10 th – 14 th October, 2022
11	Recent Evolution's and Applications in Chemistry (REACH-2022)	National	Govt College(A), Rajahmundry	18 th and 19 th November 2022
12	Environmental sustainability and Challenges	International	Govt College(A), Rajahmundry	15 th and 16 th September

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 Paradigims 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
6	Microscale experiments	Govt College(A), Rajahmundry	20 and 21 st December 2021
7	Outcome Based Education - Curriculum Development, Content Delivery and Assessment	Govt College(A), Rajahmundry	06 and 07 March 2023

Orientation programme/ Refresher courses:

1. Attended a 26 days UGC Sponsered “ 41stORIENTATION COURSE” at JNTU, Hyderabad, A.P.from 10-11-214 to 06-12-2014.
2. Attended three months “**Online Refresher Course In Chemistry For Higher Education**” conducted By Swayam.
3. Attended UGC Sponsored “**Two week Hybrid mode Refresher Course in Health Management** ” from 10th – 23rd, August 202 organized by SRI VENKATESWARA UNIVERSITY, Tirupathi.

