



Dr KADIMI ANITHA

ASD Government Degree College For Women (A)

Kakinada

ANDHRAPRADESH, INDIA

Email: anitha.kadimi@asgdgcw.ac.in

Mobile No: +91- 9640880599

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.

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 (13 Years)

I have 13 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

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
Organometallic Chemistry	Jan-Feb 2025	

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

Research Interests

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

- ❖ Adikavi Nannaya University allotted two research scholars under my guidance on September 2024.

Organizing Seminars/ Conferences/ Workshops/ other College Activities.

- ❖ 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” (IWAATMC-2021) on 28th September 2021.
- ❖ Organized two days workshop on “**Micro scale experiments**” on December 21st and 22nd in 2021.
- ❖ Organized one day International Webinar on “Recent Advances in Drug discovery & Development” on December 6th, 2023.
- ❖ Delivered Invited talk on “Asymmetric Synthesis” in Aditya Degree College, Kakinada for II M.Sc students on November 23rd, 2023.
- ❖ Delivered Invited talk on “Sigmatropic rearrangements” in Government College (A), Rajahmundry on December 15th, 2023.
- ❖ 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.
5. Development and validation of an HPLC method for the simultaneous estimation of salbutamol, theophylline and ambroxol in tablet dosage form; Sravani Ratnam Arji 1, *, Sarma SRS Eranki, **Anitha Kadimi**, Prakash Nathaniel Kumar Sarella and Vinny Therissa Mangam, *International Journal of Science and Research Archive*, **2023**, 10(02), 634–645, International, Peer reviewed, Open access Journal, ISSN No. 2582-8185.
6. Synthesis of Silver Nanoparticles@Carbon Dot Nanocomposites Using Aegle Marmelos and Euphorbia Hirta: Anti Vibriocidal And Antioxidant Properties; Gali Raman, Sirangu Josepha, D Ramachandran, Phanindra BabuKasi, Abhinash Marukurti,*, AlavalaMattaReddy,*, PVijayaNirmala, VSManikanta, R.LohithaKavya, Sarojanig,*, **AnithaKadimii**, SilpaRani Medapalli, SBSoniaShankara, G DineshRatna, K Gayathria, P TirupathiRao, *Results in Chemistry* **2025**, 13, 101964.

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 Eneergy	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	Insights on Emerging Research in Chemical Science (IERCS-2022)	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 2023
	Recent Advances in Drug Discovery and Development	International	ASD Govt Degree College for Women (A), Kakinada	6 th December 2023
13	Faculty development Program on Nanotechnology and its Applications.	National	Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore	22 nd – 26 th April 2024
14	Pathways to Discovery and Innovation: Nurturing Researchers for Tomorrow (PDINR-2024)	National	Research Development and Promotion [PARISHODHANA] of Pithapur Rajah's Government College(A), Kakinada	25 th to 30 th April 2024
15	Nuclear Science" for Health Care, Energy and Environment		GDC Yeleswaram in association with BARC	27 th September
16	Uncover, Understand, Unite: The Fight against Breast Cance	National	Indian Cancer Society, Delhi in collaboration with UGC-Malaviya Mission Teacher Training Centre, University of Delhi	29 th October 2024.
16	International Conference on Biobased Environment for sustainable Territory (ICBEST-24)	International	Govt College(A), Rajahmundry	7 th and 8 th November 2024

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
	5 day Faculty Development Program on "E-Content Generation for LMS"		
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 2022 organized by SRI VENKATESWARA UNIVERSITY, Tirupathi.