

Dr. YAMINI VANIPENTA

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PERSONAL PROFILE

Name : Dr. Yamini Vanipenta
M.Sc, Ph.D

Designation : In-Charge, Department of Chemistry
Sri A.S.N.M. Govt. College (A), Palakol, W.G Dt.

Date of Birth : 02-Aug-1988

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EDUCATION

Ph.D, Chemistry

Indian Institute of Chemical Technology

Dissertation: Formal Total Synthesis of Mandelalide A and

Synthetic Studies of Tianchimycin A and Madeirolide A

Aug 2012 - Jun 2018

Hyderabad, India

M. Sc, Chemistry (74.8%)

Vignan School of P. G. Studies

2008-2010

Guntur, India

B. Sc, Chemistry (79.5%)

St. Ann's Degree College For Women

2005-2008

Guntur, India

Intermediate (83.1%)

Venus Jr. College

2003-2005

Guntur, India

SSC (80.6%)

S R M O High School

2002-2003

Guntur, India

RESEARCH EXPERIANCE

Indian Institute of Chemical Technology, India

Graduate Researcher; **Advisor: Dr. Subhash Ghosh**

Actively involved in total syntheses of biologically active natural products.

- Developed new convergent synthetic routes for the multi-step synthesis of biologically active natural products.
 - Formal Total Synthesis of **Mandelalide A**
 - Synthetic Studies of **Tianchimycin A**
 - Synthesis of C1-C11 Fragment of **Madeirolide A**
 - Synthesis of proposed aglycone of **Mandelalide A**

TEACHING EXPERIANCE

- Working As a Lecturer in Chemistry in Sri A.S.N.M Govt. College (A), Palakol, W.G Dt.,
Aug 2021-Till Date
- Worked as Teaching Assistant in Vignan School of P.G Studies, Guntur **2011-2012**

ACHEIVEMENTS

- Appointed as Govt. Degree College Lecturer in Chemistry through Direct Recruitment
By APPSC 2021
- NIICT Conference - Best poster presentation award 2016
- Secured with All India Rank 57 in CSIR- NET-JRF exam 2011
- Secured University 5th rank in Post-Graduation 2010
- Prof. Are Satyanarayana merit award 2009

PROFESSIONAL ADMINISTRATIVE ROLES

S. No	Institution/Organization	Position Held	Duration	Accomplishments
1	Sri A.S.N.M. Govt. College (A), Palakol,	In-Charge, Department of Chemistry	24-09-2021 Till Date	a) As Chairman, Board of Studies Conducted Five BoS Meetings for the AY 2021-22, 2022-23, 2023-24, 2024-25 & 2025-26 b) Organized Two National Level Workshops on IPR on 08-04-2025 & 26-04-2025 c) Contribution to Research: Published One Review Article and One Research Article in International Peer Reviewed Journals and Authored 4 Book Chapters in peer-reviewed academic volumes with international publishers
2		Academic Coordinator	a) 10-09-2024 Till Date b) 21-06-2022 to 20-02-2023	a) Prepared and Processed Documentation for the 7 th Governing Body Meeting and Submitted to O/o CHE, AP b) Conducted 6 th Governing Body Meeting on 04-03-2025 c) Conducted 5 th Governing Body Meeting on 13-12-2022 d) Attended as Academic Advisor for Academic Audit Scheduled on 28 th March 2026

				at Sri DNR GDC (W), Palakol e) Attended as Academic Advisor for Academic Audit Scheduled on 26 th March 2025 at SVD GDC (W), Nidadavole d) Member, Board of Studies, Department of Chemistry, SRR & CVR Govt. College (A), Vijayawada for the AY 2023-24
3		NIRF Coordinator	17-12-2021 to 08-05-2025	Contributed to the submission of institutional data to the NIRF for Four consecutive years
4		AISHE Coordinator	24-12-2021 to Till Date	Contributed to the submission of institutional data to the AISHE for Five consecutive years
5		UGC Coordinator	22-01-2022 to 20-02-2023	—
6		Coordinator for NAAC Criteria 2	24-02-2022 to Till Date	Contributed to the data compilation and preparation of the Self Study Report (SSR) for NAAC Cycle III Accreditation and AQAR's

PROFESSIONAL DEVELOPMENT PROGRAMS ATTENDED

S. No	Course	Place	Duration
1	04 Weeks Orientation Course (Online Mode)	Teaching Learning Centre, Ramanujan College, University of Delhi	19-10-2021 to 18-11-2021
2	05 Days Induction Training Programme for Newly Recruited Degree College Lecturers	CCE, AP in Collaboration with Pithapur Rajah's Government College (A), Kakinada.	29-06-2022 to 03-07-2022
3	02 Weeks Refresher Course in Physical & Chemical Sciences (Online Mode)	UGC- Malaviya Mission Teacher Training Centre, Sri Venkateswara University, Tirupati	14-10-2023 to 27-10-2023
4	03 Days PM-USHA Sponsored Workshop on Curricular and Administrative Reforms in Government Autonomous Colleges	CCE, AP in Collaboration with Government College (A), Rajahmundry.	04-02-2026 to 06-02-2026
5	05 Days ToT on Skill Enhancement Courses SEEK and SEL as Key Resource Person	CCE, AP in Collaboration with Government Degree College (A), Tanuku.	07-08-2024 to 11-08-2024
6	07 Days NEP-2020 Orientation and Sensitization Programme (Online Mode)	UGV-MMTTC, Andhra University, Visakhapatnam	05-03-2024 to 14-03-2024.
7	03 Days Training of Trainers on UNESCO-MGIEP certificate Courses SEEK and SEL as Master Trainer	CCE, AP in Collaboration with Government Degree College (A), Tanuku.	23-01-2024 to 25-01-2024
8	05 Days Capacity Building Residential Master Trainers Training Programme on UNESCO-MGIEP Certificate Courses SEEK and SEL	CCE, AP in Collaboration with Government College (A), Rajahmundry.	13-12-2023 to 17-12-2023

PRESENTATIONS AND CONFERENCES ATTENDED

- Attended **International Conference on Organic Synthesis (ICOS) (Poster Presentation)** on Dec 11-16, 2016 held at Indian Institute of Technology, Bombay (IITB), Bombay, India.
- Attended **International Conference on Nature Inspired Initiatives in Chemical Trends (NIICT), (Poster Presentation)** on Sep 19-20, 2016 held at IICT-Hyderabad, India.
- Attended National Conference on **Advances in Cancer Therapeutics (ACT)** on April 4-5, 2016 held at IICT, Hyderabad, India.
- Attended National Conference on **Recent Advances in Chemical Biology** on Feb 12, 2010 held at Vignan School of P. G. Studies, Guntur, Andhra Pradesh, India.
- Attended National Conference on **Organic Chemistry-Industrial Perspectives** on Dec 19-20, 2008 held at Vignan School of P. G. Studies, Guntur, Andhra Pradesh, India.

SEMINARS, WORKSHOPS AND CONFERENCES ORGANIZED

- Convenor of **National Level Workshop on "Celebrating World IP Day with a Vision for the Future"** on **26th April 2025**, Organized by **Dept. of Chemistry** in collaboration with IQAC as a part of Institution's Innovation Council Activity at Sri A.S.N.M Govt. College (A), Palakol, W.G. Dt, Andhra Pradesh.
- Convenor of IQAC Enabled **One Day National Level Workshop on Navigating the IP Landscape: Innovation Dynamics, Patent Rights and Designs for Academics and Research**, Organized by **Dept. of Chemistry** on **08th April 2025** at Sri A.S.N.M Govt. College (A), Palakol, W.G. Dt, Andhra Pradesh.
- **Advisory Board Member** for **National Seminar on "Aquaculture Farming: Advances, Challenges and Opportunities"** Organized by Dept. of Zoology & Aquaculture in collaboration with IQAC and in Association with A.P Pollution Control Board, Eluru on **19th December 2023** at Sri A.S.N.M Govt. College (A), Palakol W.G. Dt, Andhra Pradesh.

RESEARCH PUBLICATIONS

1. Synthesis of proposed aglycone of Mandelalide A.
Karla Mahender Reddy, **Vanipenta Yamini**, Kiran K. Singarapu and Subhash Ghosh*
(*Org. Lett.* **2014**, *16*, 2658-2660). <https://doi.org/10.1021/ol500875e>.
2. Stereoselective synthesis of fully functionalized acyclic core of Tianchimycin A.
Vanipenta Yamini, and Subhash Ghosh*
(*Arkivoc.* **2017**, *Part V*, 301-313). <https://doi.org/10.24820/ark.5550190.p010.287>
3. Formal Total Synthesis of Mandelalide A.
Vanipenta Yamini, Karla Mahender Reddy, A Shiva Krishna, Jerripothula K Lakshmi and Subhash Ghosh*
(*J. Chem. Sci.* **2019**, 131:25). <https://doi.org/10.1007/s12039-019-1600-2>
4. Gold catalyzed synthesis of small sized Carbo and Heterocyclic compounds: A Review
Vanipenta Yamini*, K Ganesh Kadiyala*, Kommuru Goutham and Naresh Kumar Katari.
(*Heterocyclic Communications*, vol. 30, no. 1, **2024**, pp. 20220172). <https://doi.org/10.1515/hc-2022-0172>.
5. Estimation of Antimicrobial Agent (Sorbic Acid) in Semisolid Dosage Form (Gel) Using Liquid Chromatography and Evaluation of Its Stability in the Presence of Steroids, Polymers, and Low pH. (*Biomed. Chromatography*, **2026**, vol. 40 (4), e70412). <https://doi.org/10.1002/bmc.70412>.
Vanipenta Yamini, Naresh Konduru*, Kommuru Goutham, Kousrali Sayyad, Sai Kumar Badam and Kalyani Paidikondala.

6. An Expeditious Asymmetric Synthesis of C1-C11 Fragment of Madeirolide A.
Vanipenta Yamini and Subhash Ghosh* (*Manuscript under preparation*)

BOOK CHAPTERS

1. Rare Earth Elements: Processing, Catalytic Applications and Environmental Impact
Photocatalysis of Rare-Earth complexes in Organic Synthesis.
Vanipenta Yamini, K Ganesh Kadiyala, Kommuru Goutham, Naresh Kumar Katari.*
(De Gruyter, 2023, pp. 225- 240. <https://doi.org/10.1515/9783110788082-012>).
2. Rare Earth Elements: Processing, Catalytic Applications and Environmental Impact
Rare-earth metal catalyzed multicomponent reactions.
Vanipenta Yamini, K Ganesh Kadiyala, Kommuru Goutham, Naresh Kumar Katari.*
(De Gruyter, 2023, pp. 45- 58. <https://doi.org/10.1515/9783110788082-003>).
3. **Vanipenta Yamini***, K Ganesh Kadiyala, Kommuru Goutham, Naresh Kumar Katari.*
Sustainable Nanomaterials for Treatment and Diagnosis of Infectious Diseases Vaccines,
diagnosis and treatment of infectious diseases.
(*SCRIVENER-WILEY*, 2025, <https://doi.org/10.1002/9781394200559.ch5>).
4. **Vanipenta Yamini**, K Ganesh Kadiyala, Naresh Kumar Katari, Kommuru Goutham.
Nanomaterials of polymeric design for the treatment of infectious diseases
(*SCRIVENER- WILEY*, 2025, <https://doi.org/10.1002/9781394200559.ch15>).
5. **Vanipenta Yamini**, K Ganesh Kadiyala, Kommuru Goutham.
The Chemistry of Ionic Liquids Classification and Applications
(Accepted in *SCRIVENER-WILEY*, 2026).
6. **Vanipenta Yamini**, K Ganesh Kadiyala, Kommuru Goutham.
Ionic Liquids in Energy Storage and Conversion
(Accepted in *SCRIVENER-WILEY*, 2026).