

CURRICULUM VITAE

PERSONAL PROFILE

Name : Yamini Vanipenta
M.Sc, Ph.D

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

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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 Sri ASN M Govt. College (A), Palakol, W.G Dt.,
Aug 2021-Till Date
- Worked as Teaching Assistant in Vignan School of P.G Studies
2011-2012

LEADERSHIP EXPERIENCE

Mentor, mentoring for science program

Aug 2012 - Jun 2018

- Guided four post graduate students in understanding the scientific methods for the preparation of chemical compounds through experimental reactions, purification techniques and its analysis.

ACHEIVEMENTS

- NIICT Conference - Best poster presentation award 2016
- Secured with all India rank 57 in CSIR-NET exam 2011
- Secured University 5th rank in Post-Graduation 2010
- Prof. Are Satyanarayana merit award 2009

PRESENTATIONS AND CONFERENCES

- 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.

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).
2. Stereoselective synthesis of fully functionalized acyclic core of Tianchimycin A.
Vanipenta Yamini, and Subhash Ghosh*
(*Arkivoc.* **2017**, Part V, 301-313).
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).
4. An Expeditious Asymmetric Synthesis of C1-C11 Fragment of Madeirolide A.
Vanipenta Yamini and Subhash Ghosh*
(*Manuscript under preparation*)

REFERENCES

Dr. Subhash Ghosh
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