

CURRICULUM VITAE



Name: Dr. V. Shekhar

Designation: Asst. Professor of Chemistry

Date of Birth : 25-05-1981

Contact Number: +919959342659

Mail id: vanamshekar@gmail.com

Date of First Appointment: 01-01-2013

Date of Entry into Services at UG Level: 01-01-2013

Academic Qualifications: M.Sc, Ph.D, B.Ed

Ph.D in Organic Chemistry; July 2007 – August 2012

Indian Institute of Chemical Technology (IICT)

Hyderabad, India.

Research Supervisor: Late **Dr. Y. Venkateswarlu**, Deputy Director, Indian Institute of Chemical Technology (IICT), Hyderabad, India.

Thesis title: “**Stereoselective Total Synthesis Bioactive Molecules (+)-Crassalactone A, Goniothalesdiol A, Umuravumbolide and Putaminoxin-1**”

Industrial experience: I worked as junior scientist at Hyderabad Batteries Ltd, from 2006 to 2007

Teaching experience:

- I have been working as Lecturer in Gandhi Degree college, godavarikhani, Karimnagar dist. From 2004 to 2006.
- I have been working as Asst. professor in Govt. Degree College Tandur, from 2013 jan-2018 june
- I have been working as Asst. professor in KRR Govt. Degree College Kodad, from 2018 June to 2021 March

- I have been working as Asst. professor in Govt. Degree College(W), Nalgonda, from 2021 March

RESEARCH EXPERIENCE:

Senior Research Fellow & Junior Research Fellow July 2007 – 2012 Dec
Indian Institute of Chemical Technology (IICT), Hyderabad, India.

HONORS & AWARDS:

- Awarded **Senior Research Fellowship** (SRF) from the Council of Scientific and Industrial Research (CSIR), New Delhi, India (2009-2012).
- Awarded **junior Research Fellowship** (JRF) from the Council of Scientific and Industrial Research (CSIR), New Delhi, India (2007-2009).

CONDUCTED WEBINARS:

Conducted One Day Online National Webinar on Chemical Effect on Human Health organised by the Department of chemistry, KRR Government Arts & Science Degree College, kodad on 22-06-2020.

CONFERENCES (OR) SEMINARS ATTENDED: 07

- Participated in the International Symposium” Organic Synthesis and Human Well Being: Emerging Opportunities and Challenges (OSHWB-2010)” held at IICT, Hyderabad, India (August 1-4, 2010).
- Participated in joint international conference “MEDCHEM Congress 2011” held at IICT, Hyderabad, India (February 25-26, 2011).
- Participated in joint international conference “Chemistry and Chemical Biology of Natural Products 2012” held at IICT, Hyderabad, India (August 2-4, 2012).
- Participated in Two-Day National Seminar on The old and recent trends in chemicals2015” held at Tara Government Degree, Sangareddy, India (January 8-9, 2015).
- Participated in One-Day National Seminar on Recent Advances in Chemical Science held at Govt.Degree College(Co.Ed), Wanaparthy, Telangana, india, on 11th jan 2020.

- Participated in One-Day National Workshop on Mathematical Applications in Other Sciences held at Govt.Degree College Tiruvuru, AndhraPradesh, india, on 21 Dec 2019.

Orientation/Refresher Courses Attended: 06

1. Participated in the 81st Orientation Course from April 17 to May 14, 2013 at UGC-Academic Staff College, University of Hyderabad, Hyderabad, Telangana
2. Participated in the Refresher Course in Recent Trends in Chemical Sciences from July 13 to August 02, 2016 at UGC-Academic Staff College, University of Hyderabad, Hyderabad, Telangana.
3. Participated in the Refresher Course in Chemistry from August 21 to September 10, 2014 at UGC-Academic Staff College, University of Hyderabad, Hyderabad, Telangana
4. Participated in the Online Moocs Refresher Course in Chemistry for Higher Education at Sri Guru Tegh Bahadur Khalsa College, University of Delhi.
5. Participated Online one week FIP Course on ICT Tools in Higher Education Sponsored by UGC-HRDC-RUSA organised from 27-08-2020 to 02-09-2020.
6. Participated Six-Day Online FDP on Effective Teaching and Learning of Modern Drug Discovery Approaches organised by the Department of Chemistry, National Institute of Technology Warangal during 4th - 9th March, 2021

LIST OF PUBLICATIONS:

Full list of Publications:

1. First Total synthesis of (+)-Crassalactone A, **V. Shekhar**, D.Kumar Reddy, V.Suresh, D.Chantibabu, Y. Venkateswarlu, *Tetrahedron Lett.* 2010, 51, 946-948.
2. Stereoselective total synthesis of umuravumbolide. **VanamShekhar**, Dorigondla Kumar Reddy, SudinaPurushotham Reddy, PeddikotlaPrabhakar, YenamandraVenkateswarlu. *Euro.J. Org. Chem.* 2011, 4460-4464.
3. total synthesis of umuravumbolide. **V. Shekhar**, D.Kumar Reddy, Y. Venkateswarlu, *Heli. Chimi. Acta.* 2012, 95, 1593-1599
4. Total synthesis of goniothalesdiol A (Communicated) **V. Shekhar**, D.Kumar Reddy, Y. Venkateswarlu, *Synthesis.*
5. Concise Stereoselective total synthesis of Leiocarpin-C. D. ChandarRao **V. Shekhar**, D.Kumar Reddy, Y. Venkateswarlu, *Heli. Chimi. Acta.* 2013, 96, 2179-2184
6. Stereoselective total synthesis of Putaminoxin 1 (Communicated) **V. Shekhar**, S.rajaram Y. Venkateswarlu, *Tetrahedron : Assymetry*
7. Stereoselective first total synthesis, confirmation of the absolute configuration and bioevaluation of Botryolide –E. D. Kumar Reddy, **V. Shekhar**, P. Prabhakar, D. ChantiBabu, D. Ramesh, B. Siddhardha U. S. N. Murthy, Y. Venkateswarlu, *Biorganic&Medicinal chemistry Letters* 2011, 21, 997.
8. Stereoselective First Total Synthesis of (*R*)-Rugulactone. D. Kumar Reddy, **V. Shekhar**, T.Srikhanth Reddy, S.Purushotham Reddy, and Y.Venkateswarlu. *Tetrahedron : Assymetry* 2009, 20, 2315-2319.
9. Stereoselective Synthesis and Biological evaluation of (*R*)-Rugulactone, (*6R*)-((*4R*)-Hydroxy-6-phenyl-hex-2-enyl)-5,6-dihydro-pyran-2-one and its 4Sepimer. D. Kumar Reddy, **V. Shekhar**, P. Prabhakar, B. ChinnaBabu, B. Siddhardha, U. S. N. Murthy, Y. Venkateswarlu. *Euro. J. Med. Chem.* 2010, 45, 4657-4663.
10. First stereo selective total synthesis of Pectinolide-H, D. Ramesh, **V. Shekhar**, D. ChantiBabu, S. Rajaram, U. ramulu and Y. Venkateswarlu *Tetrahedron Lett.* 2011, 53, 1258-1260.

11. Stereoselective total synthesis of cytotoxic sporiolide A. D. Kumar Reddy, K. Rajesh, **V. Shekhar**, D. ChantiBabu, Y. Venkateswarlu, *Tetrahedron Lett.* 2010, 51, 5440-5442.
12. Stereoselective total synthesis of (-)-cleistenolide. Chanti Babu Dokuburra, Jon Paul Selavam Jondoss, Kumar Reddy Dorigondla, **Shekhar Vanam**, and Venkateswarlu Yenamandra, *Tetrahedron* 2011, 67, 3815-3819.
13. Total synthesis of phytotoxic Stagonolide A and B. P. Prabhakar, S. Rajaram, D. Kumar Reddy, **V. Shekhar** and Y. Venkateswarlu. *Tetrahedron :Assymetry* 2010, 21, 216-221.
14. First racemic total synthesis of novel 3,4-dihydroxy-2-(3-methylbut-2-enyl)-3,4-dihydronaphthalen-1(2H)-one. Vagaru Suresh, Jondass Jon Paul Selvam, Karuturi Rajesh, **VanamShekhar**, DokuburraChantiBabu, YenamandraVenkateswarlu. *Synthesis*. 2011, 11, 1763-1765.
15. Stereoselective synthesis of alpinoid-C and its analogues and study of their cytotoxic activity against cancer cell lines. S.Purushotham Reddy, B.Chinababu, **V. Shekhar**, D. Kumar Reddy, G.V.S. Bhanuprakash, L.R. Velatoor, J. VenkateswaraRao, and Y. Venkateswarlu *Biorganic & Medicinal chemistry Letters*, 2012, 2, 4182-4184.
16. Concise stereoselective total synthesis of (4*R*, 6*R*) lactone moiety analogue of mevinoline and compactin. (Communicated) D. ChandarRao, D. Kumar Reddy, **V. Shekhar**, and Y. Venkateswarlu *Heli. Chimi. Acta*.
17. Concise and protecting group free synthesis of Botryolide-E. D. ChandarRao, D. Kumar Reddy, **V. Shekhar**, and Y. Venkateswarlu *Tetrahedron Lett.* 2013, 54, 828-829
18. Synthesis of aryl B-keto esters by opening aryl epoxides with ethyl diazoacetate catalysed by BF₃(OEt)₂: *Indian Journal of Chemistry, Section-B*, 2014, 53B, 356-358
19. An Efficient Rapid Synthesis of Benzoxazoles and Benzothiazoles Using PMA.SiO₂ at Room Temperature under Heterogeneous Conditions : *Letters in Organic Chemistry* 2020.

