Prof. VENKATA RAMANA DODDI



Personal Data:

Parents: Adibabu (late) & Sanyasamma

Date of Birth: 20.08.1980

Nationality: Bharatiya (Indian)

Present Address: Dr. Venkata Ramana Doddi, Professor, Department of Chemistry, Central University of Karnataka, Kalaburagi-585367.

Contact: Email: venkatardoddi@cuk.ac.in Ph: +91 9298556039

Permanent Address: Dr. Venkata Ramana Doddi, S/O Adibabu (Late), Madhya Veedhi, Munagapaka (post & vill), Visakhapatnam Distirict, Andhra Pradesh-531033.

Affiliations:

Andhra University, Visakhaptanam (1997-2002)

IIT Kanpur, Kanpur (2003-2008)

City University of New York, New York, USA (2008-2009)

SAI Advantium, Hyderabad (2010-2012)

CSIR-IICT, Hyderabad, & DST-INSPIRE (2012-2016)

Central University of Jammu (2016-2020)

CENTRAL UNIVERSITY OF KARNATAKA

Central University of Karnataka (2020-Present)

Education:

1997 – 2000	B. Sc.	**Andhra University, Visakhapatnam**.
2000 – 2002	M. Sc. (Organic Chemistry)	**Andhra University Campus, Visakhapatnam**.
2003 – 2008	Ph. D. (Organic Chemistry)	**Indian Institute of Technology (IITK), Kanpur**.
	(Research Supervisor: Prof. Yashwant D. Vankar)	

Research project grants as Principle Investigator:

1. **DST**- INSPIRE : **35 Lakhs** (5 years)
   Project title: "Synthesis and biological evaluation of Nordihydroguaiaretic acid (NDGA) and its analogues".
2. **DST**-SERB : **37 Lakhs** (3 Years)
   Project title: "Understanding the novel reactivity and better utilization of bicyclic amidines".
3. **Central University of Jammu** : 0**2 Lakhs** (2 Years)
   Project title: "Novel synthesis of terminal alkynes and their derivatives".
4. **ANRF-PAIR (Network Project with many PIs and Co-PIs)**
   : **1,04,43 Lakhs** (5Yeras).
   Project title: **as a Co-PI** "Synthesis of novel molecules and their biological evaluation for infections diseases".

MoU & Consultancy:

(ACADEMIA & INDUSTRY COLLABORATION)







- MoU between Central University of Karnataka, Kalaburagi and Foundation for Neglected Diseases and Research, Bangalore.
  Coordinator: Prof. Venkata Ramana Doddi
  Start date: 05-02-2024, Duration: 05 Years.
  Consultancy fees per year: Rs. 1,00,000/-

Awards received and recognitions:

- Received **BEST RESEARCH PUBLICATION AWARD-2018** from Central University of Jammu on National Scince Day-2019.

- Received **BEST RESEARCH PUBLICATION AWARD-2017** from Central University of Jammu on National Scince Day-2018.
- Awarded the **INSPIRE Faculty Award-2012** by **DST-INSPIRE**, India. **(IFA12-CH-36)**
- Promoted as Senior Research Fellowship **(CSIR-NET-SRF)** by Council for Scientific and Industrial Research in 2005.
- Awarded the Junior Research Fellowship **(CSIR-NET-JRF)** by Council for Scientific and Industrial Research (**CSIR**) in 2003.
- **GATE-2003, Chemistry All India Rank- 73**
- Andhra University common entrance **AUCET**-2000 **unversity rank 23**
- **Andhra Pradesh State Government merit Scholarship** 1996 – 1997.

Post Ph.D. Research & Teaching Experience:

1. 2008 – 2009	**Post Doctoral fellow** @ CCNY, City University of New York, New York, USA.
2. 2010–2012	**Research Scientist** @ SAI Advantium, Hyderabad, India
3. 2012–2016	**DST-INSPIRE FACULTY & Assistnat Professor (AcSIR)** @ CSIR-IICT, Hyderabad, India.
4. 2016–2020	**Assistant Professor** @ Central Univesrity of Jammu, Jammu, India.
5. 2020-2023	**Associate Professor** @ Central Univesrity of Karnataka, India.
6. 2023-Present	**Professor@ Central University of Karnataka, India.**

RESEARCH PUBLICATIONS

1. Balwan Jadhav, Vishalakshi Bajantri, Venkata Ramana Doddi*, Substituent-Driven Selective Functionalization of Dibromovinyl-Aromatics/Heteroaromatics to Give Esters and/or Terminal Alkynes, ***Eur. J. Org. Chem.* 2026**, 29, e70680. https://doi.org/10.1002/ejoc.70680.
2. S. K. Moodapelly, Y. Nanaji, G. V. M. Sharma, K. Suneeel and Venkata Ramana Doddi,* Cu-catalyzed solvent-free, pot-economic synthesis of 1,3-dynes from 1,1- dibromoalkenes in the presence of DBU• H_2O ***Arkioc***, 2021, DOI: https://doi.org/10.24820/ark.5550190.p011.466
3. A. K. Morri, Y. Thummala, S. Ghosh, **Venkata Ramana doddi***, Urea-promoted Metal-free Homolytic Alkynyl Substitution (HAS): Metal-free C-C coupling of alkynyl bromides formed in situ from 1,1-dibromoalkenes ***ChemistrySelect*, 2021**, 6, 2387.
4. P. Dalovai, G. V. Karunakar, V. D. Nadar, Venkata Ramana Doddi , S. Kanaparthy, Gold-catalyzed formation of substituted aminobenzophenone derivatives via intramolecular 6-endo-dig cyclization ***J. Chem. Sci*** (Bangalore) **2021**, 133, 19.
5. Y. Thummala, C. E. Raju, D. Purnachandar, G. Sreenivasulu, **Venkata Ramana Doddi**, G. V Karunakar, Gold-Catalyzed Regioselective Synthesis of Pyrazolo[1,4]oxazepines *via* Intramolecular *7-endo-dig* Cyclization ***Eur. J. Org. Chem.* 2020**, 3560-3567.

6. A. K Morri, Y. Thummala, R. Adepu, G.V.M. Sharma, S. Ghosh, Venkata Ramana Doddi***,** Synthesis of Substituted Thioamides from gem-Dibromoalkenes and Sodiumsulfide ***Eur. J. Org. Chem.*** **2019**, 7159.
7. Y. Thummala, G. V. Karunakar, V. R. Doddi, DBU-Mediated Synthesis of Aryl Acetylenes or 1-Bromoethynylarenes from Aldehydes ***Adv. Synth. Catal.*** **2019***, 361,* 611. (Impact Factor: 5.123).
8. Y. Thummala, A. K. Morri, G. V. Karunakar, V. R. Doddi DBU-Mediated Efficient Synthesis of Diaryl Ethynes and Enynes from 1,1-Dibromoalkenes at Room Temperature ***Eur. J. Org. Chem.*** **2018**, 6280–6285.
9. S. K. Moodapally, G. V. M. Sharma, Venkata Ramana Doddi*. Controlled Reactivity of 1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU) in the Selective Synthesis of 1-(Bromoethynyl)arenes. ***Adv. Synth. Catal.*** **2017**, *359,* 1535.[Impact factor: 5.646]. Received best publication award-2017 by VC, CUJammu.
10. A. K. Morri, Y. Thummala, Venkata Ramana Doddi***.** The Dual Role of 1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU) in the Synthesis of Terminal Aryl- and Styryl-Acetylenes *via* Umpolung Reactivity. ***Org. Lett.*****, 2015,** *17,* 4640-4643. [Impact factor: 6.579] Appeared as most viewed article of the month.
11. G. V. M. Sharma, Venkata Ramana Doddi. Macrolactones in Natural Lactones and Lactams – Synthesis, Occurrence and Biological Activity. **'Wiley' New York (2013)**
12. G. V. M. Sharma, P. R. Krishna, Venkata Ramana Doddi, S. Kashyap, P. S. Reddy. Application oriented catalytic organic synthesis in Industrial Catalysis and Separations: Innovations for Process Intensification . **Apple Academic Press (2014).**
13. Venkata Ramana Doddi, Y. D. Vankar. Synthesis of Pyrrolidine-Based Imino Sugars as Glycosidase Inhibitors. ***Eur. J. Org. Chem.*** **2007,** *33,* 5583-5589**. (Full Paper)**. [Impact factor: 3.065]
14. Amitkumar, Venkata Ramana Doddi, Y. D. Vankar. Mild and efficient method for the selective deprotection of anomeric acetal using triphenylcarbenium tetrafluroborate. ***J. Org. Chem*****. 2008,** *73,* 5993-5995. [Impact factor: 4.721]
15. Venkata Ramana Doddi, Amit kumar, Y. D. Vankar. Stereoselective synthesis of *muco*-quercitol, (+)-*gala*-quercitol and 5-Amino-5-deoxy-D-*vibo*-quercitol from D-mannitol. ***Tetrahedron*** **2008,** 64, 9117-9122. [Impact factor: 2.641]
16. Venkata Ramana Doddi, H. P. Kokatla**,** A. P. J. Pal, Y. D. Vankar, Synthesis of hybrids of D-glucose and D-galactose with pyrrolidine based iminosugars as glycosidase inhibitors. ***Eur. J. Org. Chem.*** **2008,** 5731**. (Full Paper).** [Impact factor: 3.065]
17. Venkata Ramana Doddi, P. K. Kancharla, Y. D. Vankar. Synthesis of fused pyran-carbahexopyranoses as glycosidase inhibitors. ***Carbohydr. Res.*** **2009, *344*, 606.** [Impact factor: 1.929]
18. K. H. Prasad, R. Lahari, P. K. Kancharla, Venkata Ramana Doddi, Y. D. Vankar Synthesis of (−)-Deoxoprosophylline, (+)-2-epi-Deoxoprosopinine, and (2R,3R)- and (2R,3S)-3Hydroxypipecolic Acids from D-Glycals. ***J. Org. Chem*****. 2010,** *75,* 4608-4611. [Impact factor: 4.721]
19. Pavan K. Kancharla, Venkata Ramana Doddi, Hari prasad kokatla, Y. D. Vankar. A concise route to (−)-shikimic acid and (−)-5-*epi*-shikimic acid, and their enantiomers via Barbier reaction and ring-closing metathesis. ***Tetrahedron Lett.*** **2009,** *50***,** 6951. [Impact factor: 2.379]
20. Y. S. Reddy, P. Kadigachalam, Venkata Ramana Doddi, Y. D. Vankar. Intramolecular ketonitrone-olefin cycloaddition reaction: Direct and stereocontrolled synthesis of

nitrogenated quaternary centered aminocyclopentitols as galactosidase inhibitors. ***Tetrahedron Lett.* 2009,** *50*, 5827**.** [Impact factor: 2.379]

21. A. P. J. Pal, P. Kadigachalam, A. Mallick, Venkata Ramana Doddi, Y. D. Vankar. Synthesis of sugar derived spiroaminols via lactonization and metathesis reactions. ***Org. Biomol. Chem.*, 2011**, *9*, 809-819. [Impact factor: 3.562]
22. H. P. Kokatla, P. F. Thomson, S. Bae, Venkata Ramana Doddi, M. K. Lakshman, Reduction of Amine N-Oxides by diboran reagents. ***J. Org. Chem.*, 2011,** *76*, 7842–7848**.** [Impact factor: 4.721]
23. R. Basak, S. Dharuman, Y. S. Reddy, Venkata Ramana Doddi**,** and Y. D. Vankar. ***Chem. Lett.* 2012**, *41*, 325. [Impact factor: 1.23]

Patent:

24. T. V. S. K. Vittal, S. Sudhakar, K. S. Reddy, Venkata Ramana Doddi, Ch. Lakshminarayana, M. Sridhar. Process for preparing Norbornane derivative. **Patent No at IPO: No.F25/00078/2011/CHE/013613.**

Invited talks / Symposiums / Conferences / Seminars:

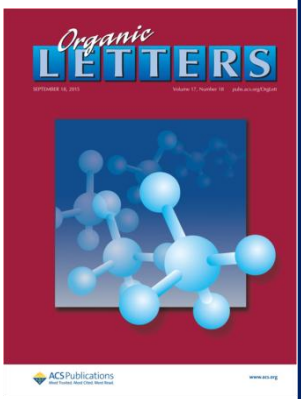
1. Invited lecture @ on "Key insights of alkynes for Sustainable Development" at DBF Dayanand College of Arts & Science, Solapur on 10th March, 2026.
2. Invited lecture @ Faculty Development Program **(FDP)**, on "AROMATICS (including heterocycles)" Vellore Institute Of Technology (VIT), Vellore on 14th September, 2022.
3. Invited lecture @ Faculty Development Program **(FDP)**, on "Important Aspects of Organic Chemistry for Sustainable Industrial Development" Indian Institute of Technology, Patna (IITP), during 29-30th October, 2021.
4. Invited lecture @ Six-day Faculty Development Program **(FDP)**, on "Teaching and Learning of Green Chemistry: Nurturing a new generation of chemists" National Institute Of Technology (NIT), Warangal 26th February to 3rd March, 2021.
5. Invited lecture @ National e-Seminar on Chemistry In Emerging Trends Of Interdisciplinary Research (NeSCETIR-2020), on, Department of Chemistry, Nagaland University, Lumani, Nagaland during 18-20 November 2020.
6. Invited lecture @ Five-day Faculty Development Program **(FDP)** on Synthesis of Advanced Materials and its Applications (SAMA-2020), Department of Physics, Usharama College of Engineering and Technology, Vijayawada, Andhra Pradesh during 15-19 October 2020.
7. Invited lecture @ Virtual International conference on Emerging Research Trends in Chemical Sciences (ERTCS-2019), Govt. PG College, Udhampur, J&K during 24-26 July 2020.
8. Invited lecture @ International conference on Trends in Chemical and Biological Sciences: Impact on Health and Environment (ISCBC-2019), Golden tulip hotel, Lucknow during 12-14 January 2019.
9. Invited lecture @ National Bioorganic Chemistry Conference (NBCC), NISER Bhubaneswar during 22-24 December 2018.
10. Invited lecture @ International Workshop on Soft Materials and Devises (IWSMD-2018), Central University of Jammu, Jammu during 21-25 March 2018.
11. Invited talk @ International conference on Frontiers at Chemistry-Allied Sciences Interface (FCASI-2017), University of Rajasthan, Jaipur during 22-23 July 2017.
12. Invited talk @ 12th JK Science Congress, University of Jammu, Jammu during 2-4 March 2017.

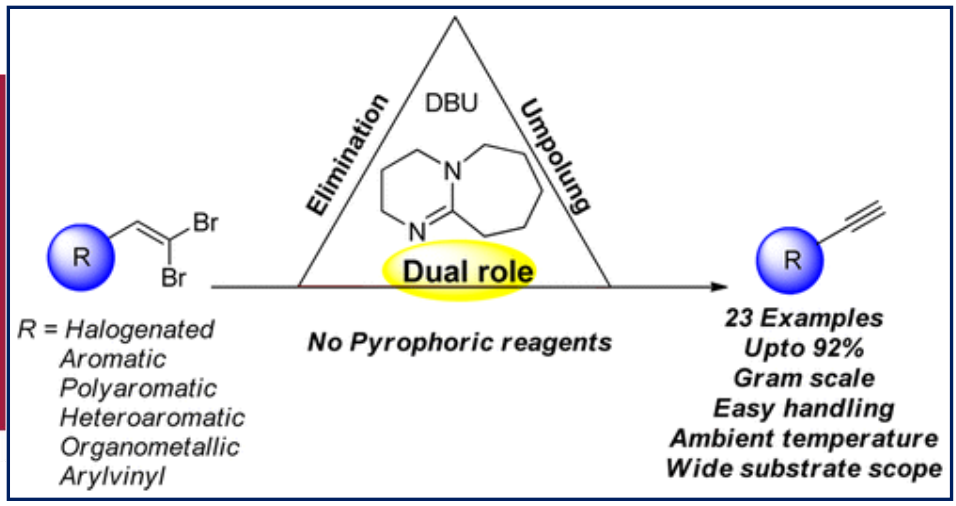
13. National Conference on Materials for Sustainable Development and new Technology, Central University of Jammu, Jammu during 28-29 April 2017.
14. Research Presentation @ DST-INSPIRE Faculty Monitoring-cum-Interaction Meet)Chemical & Material Sciences) at KIIT University, Bhubaneswar during 16-17 January, 2017.
15. Invited talk @ 11th National Conference of Indian thermodynamics society, University of Jammu, Jammu during 02-03 December 2016.
16. Transacting Students Engagement For Rural Community Development, Central University of Jammu, Jammu during 26-27 April 2017.
17. National Seminar on: Role of Yoga and Naturopathy for Total Health, Central Univeristy of Jammu, during 20-21 December 2017.
18. Challenges in Catalysis Science and Technology (CCST-2016), CSIR-Indian Institute of Chemical Technology, Hyderabad during 23-25 June 2016.
19. Research presentation @ Advances in Cancer Therapeutics (ACT-2016), CSIR-Indian Institute of Chemical Technology, Hyderabad during 4-5 April 2016.
20. Research presentation @ International symposium on Nature Inspired initiatives in Chemical Trends (NIICT-2014), CSIR-Indian Institute of Chemical Technology, Hyderabad during 02-05 March 2014.
21. 27th International carbohydrate symposium, Indian Institute of Science, Bangalore during 12-17 January 2014.
22. Delivered research presentation @ Second NOST Symposium, International College for girls, Jaipur during 11-14 October, 2006.
23. Delivered research presentation @ Sixth National Symposium in Chemistry, IIT Kanpur during 06-08 February, 2004.

Current Research Activities

- Developed an attractive alternative method for the synthesis of terminal alkynes. (Published in Organic Letters Journal and this appeared as ***most read articles of organic letters*** of that month)

http://pubs.acs.org/doi/abs/10.1021/acs.orglett.5b02398?journalCode=orlef7

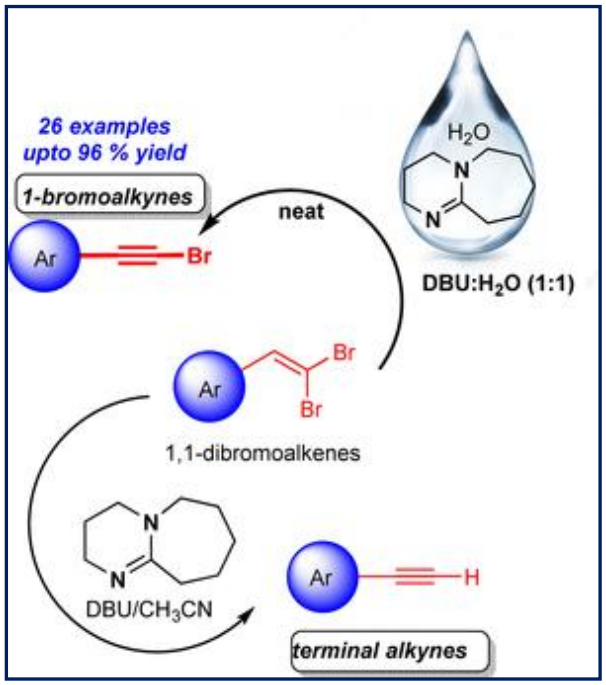




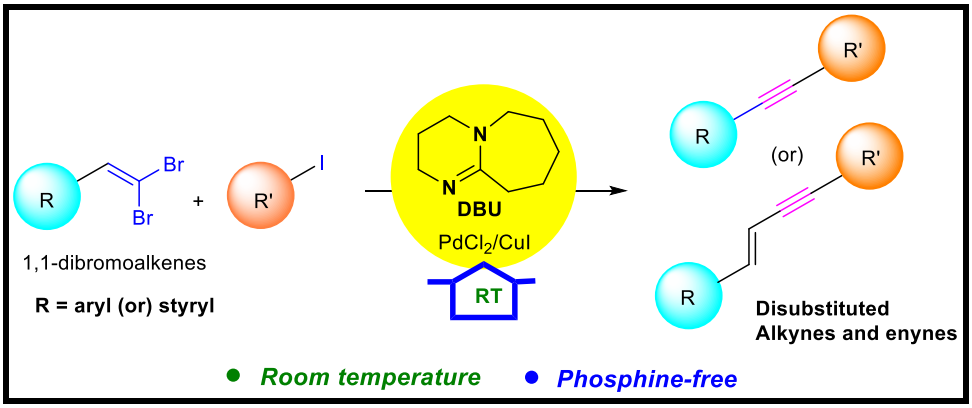
- Controlled Reactivity of 1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU) in the Selective Synthesis of 1-(Bromoethynyl)arenes (Published in Wiley- Advanced Synthesis and Catalysis).

http://onlinelibrary.wiley.com/doi/10.1002/adsc.201601279/abstract



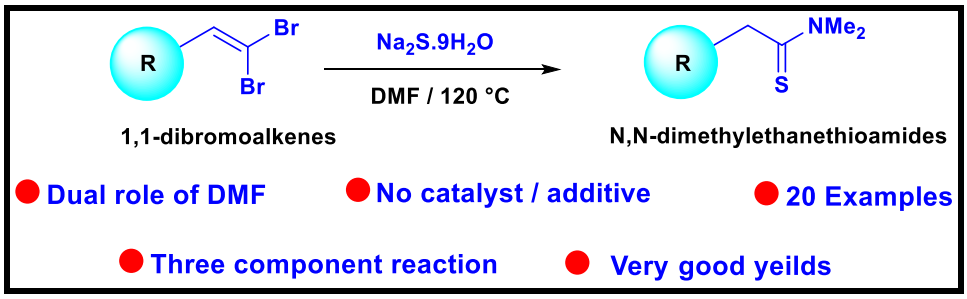


- Developed Reagent economic synthesis of internal alkynes from insitu prepared internal alkynes. The DBU mediated efficient synthesis of diaryl ethynes and enynes from 1,1-dibromoalkenes at room temperature.



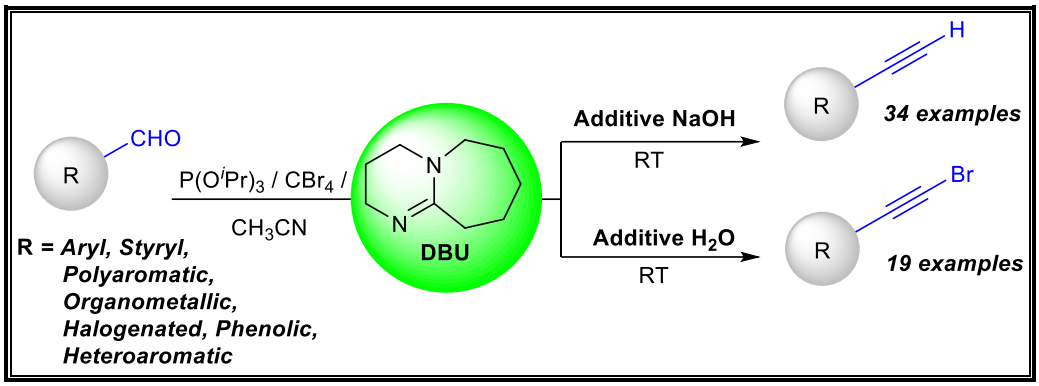
❖ Sodium Sulfide Mediated Synthesis of the N,N-Dimethylethanethioamides from 1,1-Dibromoalkenes in Dmethylformamide (DMF)

https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/ejoc.201901411



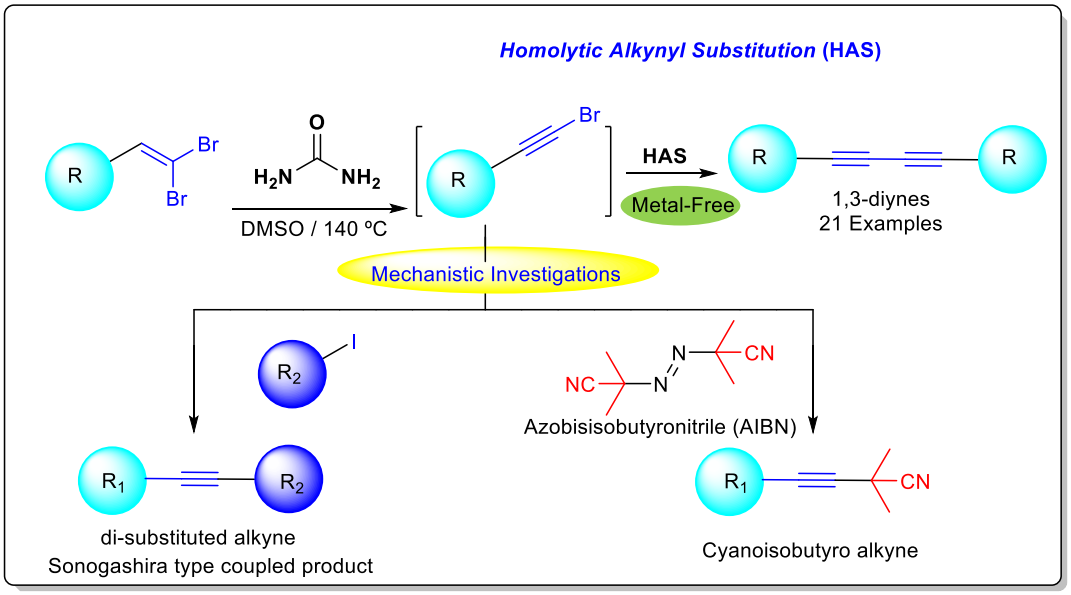
❖ Additive-Switch Synthesis of Aryl- and Styryl-Acetylenes or 1-Bromoethynylarenes from Aldehydes.

https://onlinelibrary.wiley.com/doi/abs/10.1002/adsc.201801334



❖ Urea-promoted Metal-free Homolytic Alkynyl Substitution (HAS): Metal-free C-C coupling of alkynyl bromides formed in situ from 1,1-dibromoalkenes. https://doi.org/10.1002/slct.202100243

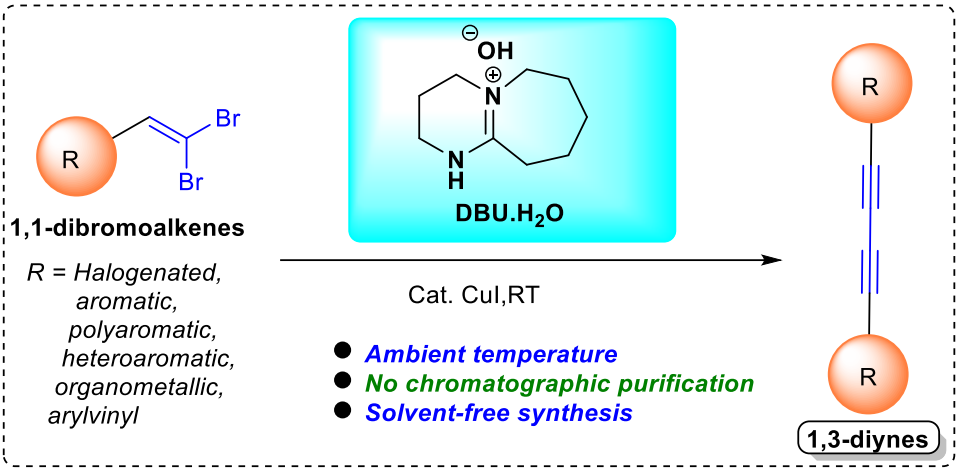




❖ Cu-Catalyzed solvent-free, pot-economic synthesis of 1,3-dynes from 1,1-dibromoalkenes in the presence of DBU•H_2O. Arkivoc, 2021.

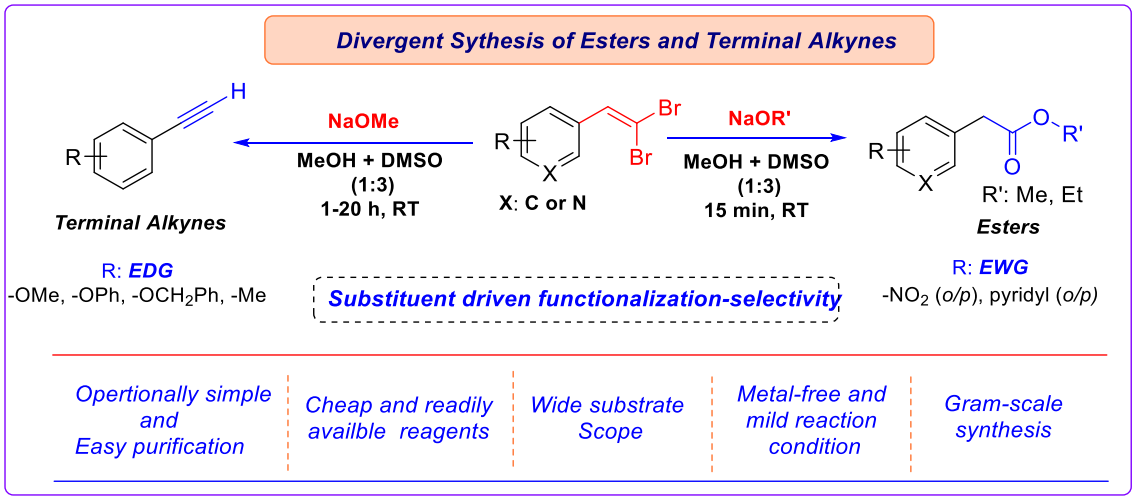
DOI: https://doi.org/10.24820/ark.5550190.p011.466





❖ Substituent-Driven Selective Functionalization of Dibromovinyl-Aromatics/Heteroaromatics to Give Esters and/or Terminal Alkynes. ***Eur. J. Org. Chem.* 2026.**

DOI: https://doi.org/10.1002/ejoc.70680



Organizing committee memberships:

1. Member organizing committee @14th National Youth Parliament Competetion 2017-18 at Central University of Jammu on 27th October, 2017.
2. Member organizing committee @ National Conference on Materials for Sustainable Development and new Technology, Central University of Jammu, Jammu during 28-29 April 2017.

3. Member organizing committee @ National Science Day 2017, Central University of Jammu, Jammu on 28th February 2017.
4. Member organizing commitee @ University business Incubation Centre, Central university of Jammu, Jammu during 28-29 April 2017.
5. Member organizing committee @ Faculty Development Program on "Entrepreneurship Development" sponsored by Entreperneurship Development Insititute of India, Gandhinagar, Gujarat under DST-NIMAT at CUJammu during 06-28 December, 2017.

Lifetime memberships:

1. **Life member of Chemical Research Society of India (CRSI)**
2. **Life member of Indian Science Congress (ISC)**

ADMINISTRATIVE EXPERIENCE:

1. 2020 – 2023	**Assciate Dean Students Welfare (ADSW)** @ Central University of Karnataka, Kalaburagi, India.
2. 2021-2024	**Deputy Director, IQAC** @ Central University of Karnataka, Kalaburagi, India.
3. 2022-2026	**Proctor** @ Central University of Karnataka, Kalaburagi, India.
4. 2023-2026	**HoD & Dean**@ School of Chemical Sciences, Central University of Karnataka, kalaburagi, India.
5. 2026-Present	**Director R&D** @ Central University of Karnataka, Kalaburagi, India.

Testimony: I hereby declare that the information given above is true to the best of my knowledge and belief.

Sincerely Yours,

(Prof-. Venkata Ramana Doddi)